



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

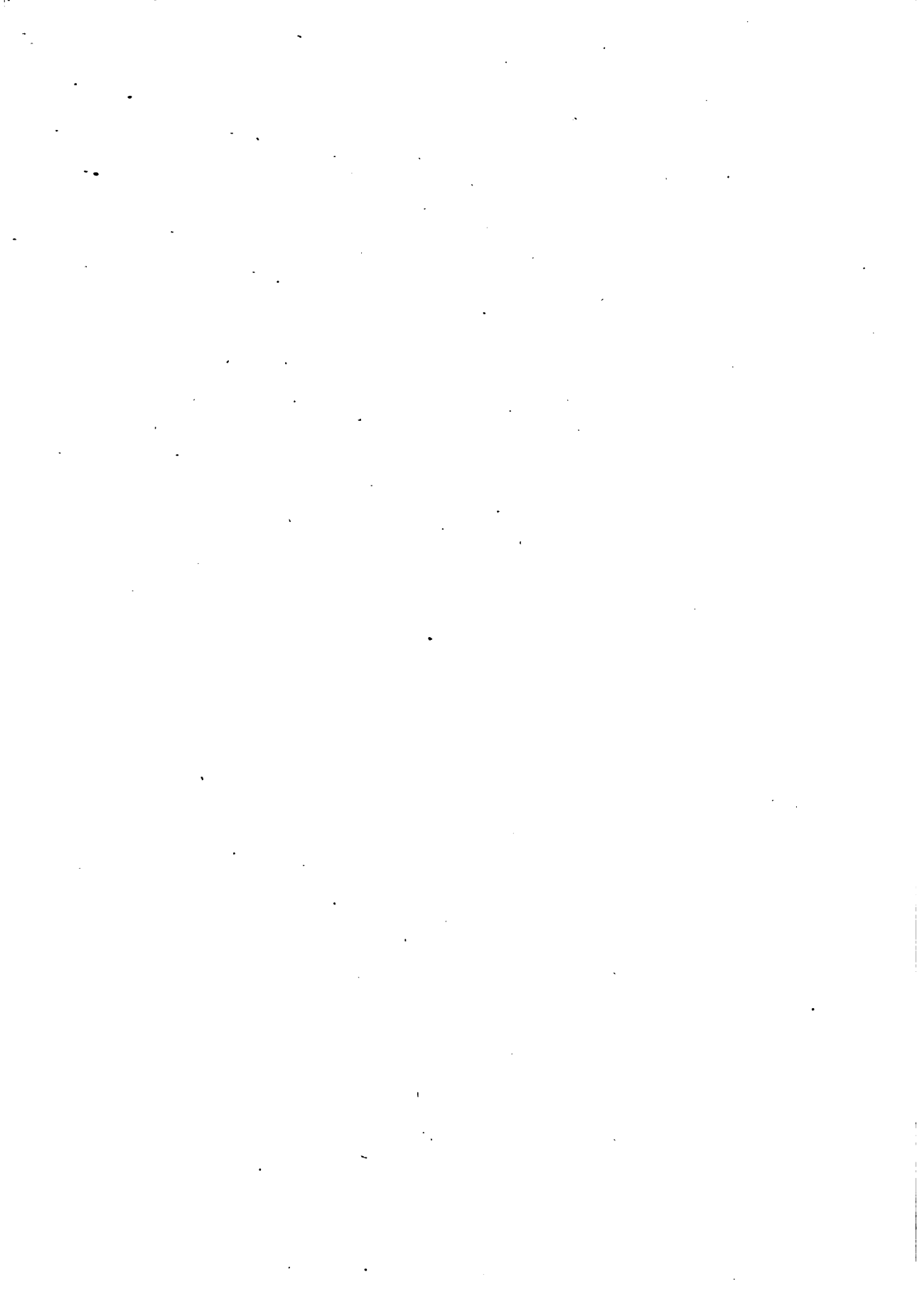
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



LIST OF
SUBJECT HEADINGS

FOR USE IN
DICTIONARY CATALOGS

PREPARED BY A COMMITTEE
OF THE
AMERICAN LIBRARY ASSOCIATION

THIRD EDITION
REVISED BY
MARY JOSEPHINE BRIGGS

AMERICAN LIBRARY ASSOCIATION
PUBLISHING BOARD
CHICAGO
1911

170 4.00 2.50



PREFACE

THE history of a list of subject headings for the use of catalogers dates back to the Lakewood conference of the American Library Association, in 1892, when a committee consisting of Mr. Gardner M. Jones, Dr. G. E. Wire and Mr. C. A. Cutter was appointed for the purpose of collating catalogs and compiling from this information a list of subject headings which should represent the most approved usages. At the Chicago conference of the following year the committee reported progress, and the Publishing Section of the American Library Association was instructed to proceed with publication as soon as possible. At the Lake Placid conference, in 1894, the committee reported completion of the work, which was printed the next year. Three years later a second and somewhat revised and enlarged edition was issued and stereotyped, and this edition has been steadily in use by catalogers for the past thirteen years.

The growth and development of libraries, their increased use by the public and the many commercial, scientific and economic changes which have taken place of late, have long since made a new and thorough revision of this List of subject headings advisable. A steady demand for the second edition showed that the book was in very general use in libraries throughout the country. In 1906 the Publishing Board appointed, to take up the matter of a new edition, an advisory committee consisting of Mr. Gardner M. Jones, Miss Harriet B. Prescott, Mr. A. G. S. Josephson, Miss Margaret Mann, Miss Linda M. Clatworthy, Mr. J. C. M. Hanson and Miss Electra C. Doren. Later Miss Alice B. Kroeger and Miss Nina E. Browne were added to the committee. Miss Doren was unable to serve.

Miss Esther Crawford, a cataloger and library worker of much experience, was employed as editor for the new edition, and the work of collecting data and collating and comparing catalogs and catalogers' forms was begun late in 1906. After laboring with great diligence for more than two years and securing a large amount of material, Miss Crawford resigned in July, 1909, and the Board was fortunate in securing the services, in May, 1910, of Miss Mary J. Briggs, cataloger of the Buffalo public library, to carry the work to completion. Besides a trained knowledge of precisely what this bibliographical tool should be, Miss Briggs has brought to bear a most conscientious and painstaking care that only those can fully appreciate who have undertaken a similar task.

This third edition, as it now appears, is the result of co-operation and united effort on the part of many library workers, and it is the hope and belief of the Board that the present work has been so well done that no revision need be undertaken for a number of years to come. For a statement of the special features embodied, and explanation of certain policies followed reference may be made to the editor's introduction.

In the case of such liberal, hearty and wide-spread assistance as the Board and its editors have here received it is difficult to mention personally all those to whom credit is due. Gratitude is sincerely felt toward all who responded to the call of the editor in sending requested information, or who devoted no small time and effort to the work during the personal visits of the editor in charge. The Board feels, however, that particular mention must be made of the courtesy and helpfulness extended by the Library of Congress during an extended study of the catalog by Miss Crawford, by the Newark free public library, which so generously provided working quarters for her for over a year, and by the Buffalo public library, which has similarly furnished accommodations for the past year for Miss Briggs. It trusts that all who have so generously aided in this enterprise may feel abundantly paid by the good service to the library profession which this book now goes forth to render.

INTRODUCTION

IT has been found necessary to omit much that was comprised in the original plan for the third edition of the List of subject headings, in order that the size of the book might be kept within reasonable limits. The scope has been broadened by the inclusion of some of the more important historical events, including wars but not battles, the chief languages, literatures and ethnic races, and subheads for many of the larger subjects.

Technical and scientific terms, chemical and medicinal substances, animals and plants, virtues and vices, diseases, games, foods and other specific headings are included somewhat more liberally than in the second edition, the aim being to provide a checklist in these subjects for the smaller public libraries.

The following classes of headings are omitted:

1. Personal names.
2. Geographical names, except for a few regional headings and countries requiring historical subdivisions.
3. Names of months, days, processes in arithmetic, parts of speech.

In general, and particularly in the matter of subdivisions, the needs of the moderately large public library, of from 100,000 to 200,000 volumes, have been considered. No attempt has been made to meet the needs of college, technical or special libraries, which must of necessity make finer distinctions and closer subdivisions than would be useful in a popular library.

The catalogs most consulted in the revision are those of the Library of Congress, the John Crerar library, Columbia university library, Nebraska university library, Northwestern university library, and the public libraries of Brooklyn, Buffalo, Chicago, Cleveland, Dayton and Pittsburgh. Among indexes, the Readers' guide to periodical literature and Engineering index may be specially mentioned.

The headings of the second edition have been retained, except for such changes as have seemed desirable in order to conform to present use of terms. The more radical changes have been made in response to what seemed to be a very general demand, expressed by a decided majority of

the answers to questions published in the library periodicals and in personal interviews.

For the sake of uniformity, in choice of new terms the Library of Congress headings have been followed so far as they have seemed adapted to the use of popular libraries, omitting of course many subdivisions and technical terms which would be useful only in special or very large libraries.

In spelling, the simplified forms of the second edition have been retained, and a few others added, but it has not been thought best to advance in this line faster than generally accepted usage will warrant. The plural form is used rather than the singular, except where subjects are generally thought of under the singular. The singular form is used for fruits, in order that the same heading may cover both fruit and tree. The arrangement of compound words has occasioned so much perplexity to both makers and users of catalogs, that the hyphen has been eliminated as far as possible, following the latest available authority, Webster's new international dictionary.

Little has been attempted in the way of definition of headings beyond an occasional explanatory word or phrase. Space could not well be spared for many definitions, and it has been found difficult to frame them so as not to limit the subjects too closely. Therefore, except in a few cases where the meaning is very ambiguous, it has been left for the references to suggest the scope of the heading when not entirely self-explanatory.

As a concession to the very general tendency to look under the form rather than under the language for English dictionaries, grammars, etc., the English language has been made an exception to the regular treatment of languages, and several forms, e.g. dictionaries, grammar and spelling, entered directly under the form. The subheads for other languages are given under German language, and the same can be used for English in libraries where it is preferred that all material regarding that language be kept together.

All form names in American and English literature are included in the list, but of other literatures only those most likely to occur in popular libraries of moderate size. Literature, drama, essays, fiction and poetry are entered under the adjective; other forms under the form followed by the adjective name of nationality, except periodicals and newspapers where name of country is used: e.g. English literature; Humor, English; Periodicals — England. Reference should be made in every case from the country to the language and literature of that country. These references are indicated in the list for American literature and English language and literature only.

The subdivisions formerly printed in the appendices, except those for

cities which follow the introduction, are now included in the main alphabet. Country subheads are given under United States, in order that the many references may be indicated. The Library of Congress Preliminary list of subject subdivisions under countries and cities has been used as a basis, with modifications to adapt it to the needs of popular libraries.

Many subjects formerly subheaded under country are now referred to the subject with country subdivision. It is better as a rule to keep all matter relating to a city together, making double entry under city and subject when needed: e.g. Boston — Education; Education — Massachusetts; or, in a small library, Boston; Education; without subdivision.

The number of subdivisions to be used will, of course, vary with the size and character of the library. The small library will ignore the subheads for the most part, using them only for the largest countries, and for subjects upon which it may chance to possess considerable material. It will be easy to add subheads at any time, should material increase so as to require them. It is advised that a list of subheads used be placed at the beginning of each divided subject, and each subhead should have its own guide.

Since form subheads may be used with any subject having sufficient literature, no attempt has been made to indicate headings requiring such subdivision. At the end of the introduction will be found a list of forms applicable to any such subject. Under United States are given references to most subjects which will require country subdivision in public libraries, and under some of the more important subjects, examples of country subdivision are given, e.g. Education — U. S.

Experience has shown that the average reader generally disregards both logic and punctuation in consulting an alphabetically arranged card catalog. For this reason, all subdivisions, whether form, geographical or logical, and all inversions are arranged in one alphabet, regardless of punctuation, except only the period subdivisions of history, which are arranged chronologically. Since in this work the main entry word is not repeated, the punctuation for subjects subdivided is not indicated in the main alphabet. The dash is advised for all subdivisions, and, if preferred, may be used instead of the comma for inversions, e.g. Bacteriology — Agricultural.

To avoid confusion in checking, the *refer from* references have been printed in parallel columns at the right of the page. The references have been revised, many new ones added, and some, believed to be unnecessary, have been dropped. See references among the *refer froms* are indicated by (s). The possibilities of useful references are by no means exhausted in this list. Further references will suggest themselves in cataloging.

The best material on a specific subject is often found in a work upon a larger subject, so general in its nature that it is not advisable to analyze it.

References are therefore made from the specific to the general in cases where most general works can be expected to contain material on the specific subject. Care should be taken not to make a reference of this kind unless justified by the works actually in the library. If the books on arts and crafts contain nothing on mosaics, a reference from Mosaics to Arts and crafts would be useless and misleading. The same principle applies to other references, which should not be made in any case unless the book cataloged is of interest in connection with the subject from which reference is made. If the books entered under Cemeteries are descriptive only, no reference from Eminent domain to Cemeteries is required.

It will of course be understood that where the reference is simply "*see*" no subject entries are to be made under the heading referred from. Only those headings printed in bold-faced type are intended to be used for subject entries.

In many cases references are indicated to or from geographical headings, or subjects with geographical subdivision, which do not appear in the main alphabet. These are only suggestive of the possibilities for this kind of reference. References should be made from periods of history, arts, sciences and other subjects to names of people whose lives are of interest in connection with the subject.

Long lists of references to specific subjects may be avoided in some cases by general references, as for instance under Industrial arts and under Manufactures "*See also* names of industries"; but if there are few specific entries it is better to enumerate them, that the reader may see at a glance where further material may be found. Another method of shortening the lists of references is to refer from the most general to the next less inclusive heading, and from the latter to the next lower: e.g. Zoology *see also* Vertebrates; Vertebrates *see also* Mammals; Mammals *see also* Carnivora; and so on to the specific animal. As zoological families and genera are not included in this list, references have been made from orders to specific animals.

The references in a card catalog are more easily read if arranged in columns rather than in a solid paragraph, with two or three columns on a card according to the length of the headings.

The cataloger is advised to check headings and references as used and to add new headings required. If he wishes to use a different form of heading, it will be necessary to make the change wherever the heading occurs in the list, otherwise discrepancies will creep into the catalog.

The aim has been to choose such headings as shall make the catalog a useful tool in enabling the reader to find as quickly as possible the book he desires. To attain this end, consistency has sometimes been sacrificed to utility.

MARY JOSEPHINE BRIGGS.

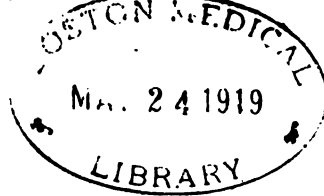
SUBHEADS TO BE USED UNDER CITIES

Amusements	Elections	Musical organizations
Annexations	Epidemics	Name
Antiquities	Exhibitions	Parks
Architecture	Fairs	Paving <i>see</i> Streets
Arsenals	Ferries	Police
Art	Festivals, etc.	Politics <i>see</i> Government and politics
Asylums <i>see</i> Hospitals and asylums	Finance	Poor
Atlases <i>see</i> Description—Maps	Financial institutions <i>see</i> Banks; Business associations	Population
Banks	Fine arts <i>see</i> Art	Post-office
Benevolent institutions <i>see</i> Charities; Hospitals and asylums	Fires and fire prevention	Prisons and reformatories
Bibliography	Foreign population	Public buildings
Biography	Fortifications	Public lands
Boundaries	Galleries and museums	Public meetings <i>see</i> Conventions and public meetings
Bridges	Genealogy	Public schools <i>see</i> Education
Business	Geology	Public works
Business associations	Gilda	Railroads
Carnivals <i>see</i> Festivals, etc.	Government and politics	Reformatories <i>see</i> Prisons and reformatories
Cemeteries	Guidebooks <i>see</i> Description—Guidebooks	Registers
Census	Harbor	Religious history
Centennial celebrations, etc.	Historic houses, etc.	Religious institutions and affairs
Charities	History	Riots
Churches	Hospitals and asylums	Sanitary affairs
City hall	Hotels, taverns, etc.	Schools <i>see</i> Education
Claims	Industries	Scientific institutions <i>see</i> Learned institutions and societies
Climate	Intellectual life	Sewerage
Clubs	Labor and laboring classes	Social conditions
Commerce <i>see</i> Business	Learned institutions and societies	Social life and customs
Commercial institutions <i>see</i> Business associations	Libraries	Statistics
Conventions and public meetings	Lighting	Street railroads
Courts	Literary institutions <i>see</i> Learned institutions and societies	Streets
Crime and criminals	Literature	Suburbs
Customhouse	Manners and customs <i>see</i> Social life and customs	Taxation
Description	Manufactures <i>see</i> Industries	Theaters
Guidebooks	Maps <i>see</i> Description—Maps	Topography <i>see</i> Description
Maps	Markets	Views <i>see</i> Description—Views
Views	Monuments	Vital statistics <i>see</i> Statistics
Directories	Moral conditions	Voters
Ecclesiastical institutions <i>see</i> Churches; Religious institutions and affairs	Morgues	Voting precincts
Education	Museums <i>see</i> Galleries and museums	Wards
	Music	Water supply
		Wharves

FORM SUBHEADS

Bibliography	Essays, addresses, etc.	Periodicals and society publications
Biography	Fiction [about]	Poetry [about]
Collected works	Handbooks	Statistics
Collections	History	Study and teaching
Dictionaries	Outlines, syllabi, etc.	
Drama [about]		

Am. No.
1168
1900



LIST OF SUBJECT HEADINGS

FOR USE IN

DICTIONARY CATALOGS

Abandoned farms *see* Farms, Abandoned

Abattoirs *see* Slaughtering and slaughterhouses

Abbeys

See also Cathedrals; Convents and nunneries; Monasteries; *also* names of abbeys, e.g. Westminster abbey

Abbreviations

See also Ciphers; Shorthand

Abdomen

See also Anatomy; Intestines; Kidneys; Liver; Stomach; Viscera

Aberration

See also Astronomy, Spherical and practical; Lenses; Light; Mirrors; Optical instruments

—Mental, *see* Insanity

Ability

See also Efficiency, Industrial; Executive ability; Genius; Leadership; Talent

Abiogenesis *see* Spontaneous generation

Abnormal children *see* Children, Abnormal and backward

Abnormal psychology *see* Mental diseases

Abolition of slavery *see* Abolitionists; Slavery; Slavery in the U. S.

Abolitionists

See also Slavery in the U. S.

Aborigines *see* Ethnology; *also* names of aboriginal races, e.g. Indians

Abrasion (geology) *see* Erosion

Abrasives

See also Corundum; Geology, Economic; Grinding and polishing

Abscess

See also Suppuration

Absent treatment *see* Christian science; Mental healing

Absenteeism

See also Land tenure; Land tenure — Ireland

Absolute, The

See also Metaphysics

Absolute rights *see* Natural law

Refer from Catholic church; Church architecture; Church history; Convents and nunneries; Monasteries

Refer from Ciphers; Contractions (s); Paleography; Shorthand; Writing

Refer from Anatomy; Viscera

Refer from Astronomy; Astronomy, Spherical and practical; Light

Refer from Efficiency, Industrial; Executive ability; Genius; Psychology; Talent

Refer from Abolition of slavery (s); Biography; Slavery in the U. S.

Refer from Corundum; Geology, Economic; Grinding and polishing; Machine tools; Mineralogy

Refer from Pathology; Suppuration

Refer from Agriculture — Ireland; Ireland — Economic conditions; Land tenure; Land tenure — Ireland; Landlord and tenant; Taxation

Refer from God; Metaphysics; Theology

Absolution

See also Confession; Indulgences; Penance

Absolutism *see* Despotism**Absorption (physiology)**

See also Digestion; Metabolism; Osmosis; Skin

Absorption in soils *see* Soil absorption

Absorption of light

See also Light

Absorption spectra *see* Spectra

Abstinence *see* Fasting; Temperance

Abstract writing *see* Précis writing

Abstracts of title *see* Land titles

Academic costume *see* Costume, Academic

Academic degrees *see* Degrees, Academic

Academies (learned societies) *see* Learned societies

Academies (schools)

See also Education, Secondary; Private schools

Acadians

See also Nova Scotia

Accent

See also Prosody; *also* names of languages, subhead Accents

Accidence *see* Grammar

Accident insurance *see* Insurance, Accident

Accidents

See also Ambulances; Boiler explosions; Burns and scalds; Collisions at sea; Damages; Disasters; Drowning; Employers' liability; Explosions; First aid in illness and injury; Insurance, Accident; Life-saving; Lightning; Mine accidents; Occupations, Dangerous; Poisons; Railroads — Accidents; Safety devices; Shipwrecks; Surgery; Wounds

Acclimatization

See also Anthropogeography; Climate; Ecology; Environment; Tropics

Acclimatization (plants)

See also Ecology; Plant introduction

Accompaniment, Musical, *see* Musical accompaniment

Accounting

See also Arithmetic, Commercial; Auditing; Bookkeeping; Business; Card system in business; Cash registers; Cost accounting; Municipal accounts

Accumulators *see* Storage batteries

Acephala *see* Bivalves

Acetylene**Acids**

See also Chemistry; *also* names of acids

Refer from Catholic church; Church discipline; Church polity; Confession; Indulgences; Penance; Sin

Refer from Assimilation (s); Digestion; Metabolism; Nutrition; Osmosis; Physiological chemistry; Physiology

Refer from Light

Refer from Education, Secondary; Preparatory schools (s); Private schools; Schools; Secondary schools (s)

Refer from French-Canadians; Nova Scotia

Refer from Language; Prosody

Refer from Disasters; Drowning; Emergencies (s); Employers' liability; First aid in illness and injury; Injuries (s); Life-saving; Medicine; Occupations, Dangerous; Surgery

Refer from Adaption (biology); Anthropogeography; Biology; Climate; Ecology; Environment; Tropics; Tropics — Diseases and hygiene

Refer from Agriculture; Ecology; Gardening; Geographical distribution of animals and plants; Plant introduction; Plants — Acclimatization (s)

Refer from Arithmetic, Commercial; Auditing; Bookkeeping; Business; Business education; Card system in business; Commerce; Cost accounting; Municipal accounts; Scientific management

Refer from Chemistry, Technical; Gas; Gas lighting; Gases; Lighting

Refer from Chemistry

Acknowledgments

See also Deeds; Evidence

Acoustics *see* Acoustics of buildings; Hearing; Sound

Acoustics of buildings

See also Architecture

Acrobats

See also Gymnastics

Acrostics

See also Puzzles

Acting

See also Actors; Amateur theatricals; Drama; Expression; Gesture; Make-up; Theatrical; Pageants; Pantomime; Theater; Vaudeville

—Study and teaching

Actinotherapy *see* Radiotherapy

Actions at law

See also Costs; Equity; Evidence; Forms (in law); Injunctions; Limitations (law); Pleading and practice; Trials

Actors

See also Acting; Make-up, Theatrical; Theater; Vaudeville

Actresses *see* Actors

Adages *see* Maxims; Proverbs

Adaptation (biology)

See also Acclimatization; Ecology; Environment; Evolution

Addresses *see* Orations

Adhesives

See also Cement; Glue; Paste; Wax

Administration *see* Administrators and executors; Civil service; Government; *also* names of countries and states, subhead Government

Administrators and executors

See also Probate law and practice; Wills

Admirals

See also Naval biography

Admiralty

See also Collisions at sea; Commercial law; Demurrage; Maritime law; Salvage

Adolescence *see* Youth

Adoption

See also Guardians

Adulterations

See also Chemistry — Analysis; Chemistry, Technical; Drugs; Food adulteration and inspection; Liquors; Seeds — Adulteration and inspection

Adultery

See also Sexual ethics

Advent

See also Christian year; Christmas; Second advent

Refer from Deeds; Law; Notaries

Refer from Acoustics (s); Architectural acoustics (s); Architecture; Building; Sound

Refer from Circus; Gymnastics; Sports; Tumbling (s)

Refer from Puzzles

Refer from Actors; Amateur theatricals; Amusements; Drama; Dramatic art (s); Dramatic expression (s); Elocution; Histrionics (s); Impersonation (s); Make-up, Theatrical; Stage (s); Theater

Refer from Dramatic education (s)

Refer from Equity; Forms (in law); Law; Lawsuits (s); Pleading and practice; Procedure (s); Suits at law (s); Trials

Refer from Acting; Actresses (s); Biography; Comedians (s); Drama; Players (s); Theater

Refer from Biology; Ecology; Environment; Evolution

Refer from Agglutinants (s); Cement; Glue; Paste

Refer from Administration (s); Appraising; Commercial law; Executors (s); Guardians; Inheritance; Law; Powers (law); Probate law and practice; Property; Trustees; Wills

Refer from Naval biography; Naval history

Refer from Collisions at sea; Commercial law; Courts; Law; Maritime law

Refer from Children; Foundlings; Guardians; Law; Orphans and orphan asylums

Refer from Chemistry — Analysis; Chemistry, Technical; Crime and criminals; Drugs; Food adulteration and inspection; Hygiene, Public; Liquors; Sanitary chemistry

Refer from Crime and criminals; Marriage; Sexual ethics

Refer from Christian year; Fasts and feasts

Acknowledgments

See also Deeds; Evidence

Acoustics *see* Acoustics of buildings; Hearing; Sound

Acoustics of buildings

See also Architecture

Acrobats

See also Gymnastics

Acrostics

See also Puzzles

Acting

See also Actors; Amateur theatricals; Drama; Expression; Gesture; Make-up, Theatrical; Pageants; Pantomime; Theater; Vaudeville

—Study and teaching

Actinotherapy *see* Radiotherapy

Actions at law

See also Costs; Equity; Evidence; Forms (in law); Injunctions; Limitations (law); Pleading and practice; Trials

Actors

See also Acting; Make-up, Theatrical; Theater; Vaudeville

Actresses *see* Actors

Adages *see* Maxims; Proverbs

Adaptation (biology)

See also Acclimatization; Ecology; Environment; Evolution

Addresses *see* Orations

Adhesives

See also Cement; Glue; Paste; Wax

Administration *see* Administrators and executors; Civil service; Government; *also* names of countries and states, subhead Government

Administrators and executors

See also Probate law and practice; Wills

Admirals

See also Naval biography

Admiralty

See also Collisions at sea; Commercial law; Demurrage; Maritime law; Salvage

Adolescence *see* Youth

Adoption

See also Guardians

Adulterations

See also Chemistry — Analysis; Chemistry, Technical; Drugs; Food adulteration and inspection; Liquors; Seeds — Adulteration and inspection

Adultery

See also Sexual ethics

Advent

See also Christian year; Christmas; Second advent

Refer from Deeds; Law; Notaries

Refer from Acoustics (s); Architectural acoustics (s); Architecture; Building; Sound

Refer from Circus; Gymnastics; Sports; Tumbling (s)

Refer from Puzzles

Refer from Actors; Amateur theatricals; Amusements; Drama; Dramatic art (s); Dramatic expression (s); Elocution; Histrionics (s); Impersonation (s); Make-up, Theatrical; Stage (s); Theater

Refer from Dramatic education (s)

Refer from Equity; Forms (in law); Law; Lawsuits (s); Pleading and practice; Procedure (s); Suits at law (s); Trials

Refer from Acting; Actresses (s); Biography; Comedians (s); Drama; Players (s); Theater

Refer from Biology; Ecology; Environment; Evolution

Refer from Agglutinants (s); Cement; Glue; Paste

Refer from Administration (s); Appraising; Commercial law; Executors (s); Guardians; Inheritance; Law; Powers (law); Probate law and practice; Property; Trustees; Wills

Refer from Naval biography; Naval history

Refer from Collisions at sea; Commercial law; Courts; Law; Maritime law

Refer from Children; Foundlings; Guardians; Law; Orphans and orphan asylums

Refer from Chemistry — Analysis; Chemistry, Technical; Crime and criminals; Drugs; Food adulteration and inspection; Hygiene, Public; Liquors; Sanitary chemistry

Refer from Crime and criminals; Marriage; Sexual ethics

Refer from Christian year; Fasts and feasts

Adventists *see* Second adventists

Adventure

See also Castaways; Discoveries and explorations; Escapes; Explorers; Frontier and pioneer life; Heroes; Hunting; Seafaring life; Shipwrecks; Sports; Treasure-trove; Voyages and travels

Adventurers *see* Imposture

Adverse possession *see* Possession (in law)

Adversity *see* Affliction; Misfortune

Advertising

See also Billposting; Business; Library bulletins; Mail order business; Posters; Promoting; Publicity; Salesmanship; Show cards; Sign painting; Signs; Street cries; Window dressing

Aerial navigation *see* Aeronautics

Aerial propellers

Aerial railroads

Aerial warfare *see* Aeronautics, Military

Aerodromes *see* Aeroplanes; Flying machines

Aerodynamics

See also Air; Flight

Aerolites *see* Meteorites

Aerology *see* Meteorology

Aeronautic motors

See also Aeronautics; Aeroplanes

Aeronautics

See also Aerial propellers; Aerodynamics; Aeronautic motors; Aeronauts; Aeroplanes; Airships; Balloons; Flight; Flying machines; Kites; Speed

—Military

Aeronauts

Aeroplanes

See also Aerial propellers; Aeronautic motors; Aeronautics; Flying machines

Aesthetics *see* Esthetics

Aether *see* Ether

Affection *see* Friendship; Kindness; Love

Affidavits

Affinity, Chemical, *see* Chemical affinity

Affliction

See also Consolation; Misfortune; Resignation

Afforestation *see* Forest planting

African colonization *see* Africa — Colonization

African languages

See also Coptic language; Egyptian language; Hamitic languages

African slave trade *see* Slave trade

After-dinner speeches

See also Anecdotes; Toasts

Age

See also Age limit of employment; Growth; Longevity; Old age; Youth

Age limit of employment

Refer from Escapes; Heroes; Voyages and travels

Refer from Billposting; Business; Commerce; Mail order business; Newspapers; Periodicals; Publicity; Salesmanship

Refer from Aeronautics; Aeroplanes; Air propellers (s); Propellers

Refer from Railroads; Railroads, Aerial (s)

Refer from Aeronautics; Air; Dynamics; Flight; Gases

Refer from Aeronautics; Aeroplanes; Flying machines; Motors

Refer from Aerial navigation (s); Aeronautic motors; Aeroplanes; Air; Airships; Aviation (s); Balloons; Engineering; Flight; Flying machines; Locomotion; Mechanics; Navigation; Sports; Transportation

Refer from Aerial warfare (s); Military aeronautics (s); Military art and science

Refer from Aeronautics; Aviators (s); Balloonists (s); Biography

Refer from Aerodromes (s); Aeronautic motors; Aeronautics; Airships; Biplanes (s); Flying machines; Gliders (s); Monoplanes (s)

Refer from Evidence; Forms (in law); Law; Notaries

Refer from Adversity (s); Ethics; Misfortune; Suffering; Trouble (s)

Refer from Coptic language; Egyptian language; Hamitic languages; Language

Refer from Dinners and dining; Orations; Speeches (s); Toasts

Refer from Old age

Refer from Age; Efficiency, Industrial; Labor and laboring classes; Old age

Agricultural physics

See also Drainage; Farm buildings; Farm motors; Soil absorption; Soil moisture; Soils; Tillage

Agricultural products

See also Botany, Economic; Cocoa; Coffee; Commercial products; Cotton; Crops; Dairy products; Essences and essential oils; Fibers; Forest products; Fruit; Ginseng; Grain; Hay; Indigo; Liquors; Marketing of farm produce; Opium; Rice; Root crops; Rubber; Spices; Sugar; Tea; Tobacco; Vegetables

Agricultural societies

See also Farmers' institutes; Grange

Agricultural tools *see* Farm implements and machinery

Agriculture

See also Acclimatization (plants); Bacteriology, Agricultural; Bees; Birds, Useful and injurious; Botany, Economic; Clearing of land; Cooperative agriculture; Corn laws; Cover crops; Crops; Dairying; Domestic animals, and names of animals; Drainage; Dry farming; Electricity on the farm; Ensilage; Farm buildings; Farm colonies; Farm implements and machinery; Farm labor; Farm life; Farm management; Farm values; Farmers; Farmers' institutes; Farms; Feeding and feeding stuffs; Fertilizers and manures; Floriculture; Forage plants; Forests and forestry; Frost protection; Fruit culture; Gardening; Greenhouses; Insects, Injurious and beneficial; Irrigation; Land; Land tenure; Live stock; Market gardening; Marketing of farm produce; Pastures and meadows; Peasantry; Plant breeding; Plants; Reclamation of land; Rotation of crops; Seeds — Selection and testing; Soil fertility; Soil inoculation; Soil surveys; Soils; Threshing; Tillage; Trees; *also* headings beginning Agricultural, and names of special products

— Demonstration work

See also Agricultural experiment stations; Agricultural experimentation

— Statistics**— Study and teaching**

See also Agricultural colleges; Agriculture — Demonstration work; Farm schools; Forestry schools and education

— Tropics

See also Cocoa; Coffee; Cotton; Opium; Rice; Rubber; Spices; Sugar; Tea; Tobacco

— U. S.

Agronomy *see* Agriculture

Agrostology *see* Grasses

Ague *see* Malaria

Ainos

See also Ethnology — Japan

Refer from Drainage; Physics; Soil moisture; Soils; Tillage

Refer from Botany, Economic; Commercial products; Crops; Farm products (s); Products, Agricultural (s)

Refer from Farmers; Societies

Refer from Agronomy (s); Crops; Farmers; Farming (s); Farms; Fruit culture; Gardening; Husbandry (s); Industrial arts; Land; Market gardening; Marketing of farm produce; Planting (s); Plants; Rotation of crops; Rural economy (s); Soils; Tillage

Refer from Agricultural experiment stations; Agricultural experimentation; Agriculture — Study and teaching; Demonstration work in agriculture (s)

Refer from Crop reports (s); Crops; Food supply

Refer from Agricultural colleges; Agricultural education (s)

Refer from Tropical agriculture (s); Tropics

Refer from U. S. — Agriculture (s); U. S. — Industries and resources

Refer from Ainu (s); Ethnology — Japan; Japan

Ainu *see* Ainos

Air

See also Aerodynamics; Aeronautics; Argon; Atmospheric electricity; Atmospheric nucleation; Barometer; Compressed air; Humidity; Hygrometry; Ionization of gases; Liquid air; Meteorology; Ozone; Ventilation
—Liquid, *see* Liquid air

Air brakes

See also Brakes; Safety devices

Air compressors

See also Air pumps; Compressed air

Air engines

See also Compressed air

Air passages *see* Respiratory organs

Air pollution

See also Dust; Smoke; Ventilation

Air propellers *see* Aerial propellers

Air pumps

See also Air compressors

Air-ships *see* Airships

Airships

See also Aeronautics; Aeroplanes; Balloons

Alabama claims

Aladdin oven

Albigenses

See also France — Religious history; Waldenses

Albinos and albinism

See also Color of man

Alchemy

See also Chemistry — History; Elixir of life; Occult sciences; Philosopher's stone

Alcohol

See also Alcoholism; Brandy; Chemistry, Organic; Distillation; Liquor problem; Liquor traffic; Liquors, and names of liquors; Temperance

—**Denatured**

See also Alcohol motors

—**Physiological effects**

Alcohol engines *see* Alcohol motors

Alcohol motors

Alcoholism

See also Alcohol — Physiological effects; Gold cure; Inebriate asylums; Liquor problem; Temperance

Refer from Aerodynamics; Atmosphere (s); Chemistry; Ether (of space); Gases; Meteorology; Physics; Pneumatics (s)

Refer from Brakes; Cars; Railroads; Railroads — Equipment and supplies; Safety devices

Refer from Air pumps; Compressed air

Refer from Caloric engines (s); Engines; Heat engines; Hot-air engines (s)

Refer from Hygiene; Sanitary chemistry; Ventilation

Refer from Air compressors; Pneumatic pumps (s); Pumps

Refer from Aeronautics; Air-ships (s); Balloons; Balloons, Dirigible (s); Dirigible balloons (s)

Refer from Claims; Geneva award (s); Neutrality; Privateering; U. S. — History — Civil war — Foreign relations; U. S. — Foreign relations — England

Refer from Cookery; Stoves

Refer from Church history — Middle ages; France — Religious history; Persecution; Waldenses

Refer from Color of animals; Color of man; Leucopathy (s)

Refer from Chemistry; Chemistry — History; Elixir of life; Gold; Hermetic art (s); Metals; Occult sciences; Philosopher's stone; Superstition; Transmutation of metals (s)

Refer from Chemistry, Organic; Distillation; Intoxicants (s); Liquors; Stimulants; Temperance

Refer from Chemistry, Technical; Denatured alcohol (s); Industrial alcohol (s); Liquid fuel

Refer from Alcoholism; Hygiene; Temperance

Refer from Alcohol, Denatured; Alcohol engines (s); Gas and oil engines; Motors

Refer from Alcohol; Crime and criminals; Dipsomania (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor problem; Medicine — Practice; Temperance

Alcoran *see* **Koran**

Ale

See also Beer; Brewing; Liquors; Malt

Alfalfa

See also Feeding and feeding stuffs; Forage plants

Algae

See also Cryptogams; Aquatic plants

Algebra

See also Calculus; Determinants; Equations; Functions; Groups, Theory of; Logarithms; Mathematics; Numbers; Probabilities; Quaternions; Vector analysis

Algonkian Indians *see* Algonquian Indians

Algonkian period *see* Geology, Stratigraphic — Algonkian

Algonquian Indians

See also Blackfoot Indians; Delaware Indians; Narragansett Indians

Algonquian languages

See also Indians — Languages

Alhambra

See also Granada

Alien and sedition laws, 1798

See also Kentucky and Virginia resolutions, 1798; U. S. — History — 1783-1812

Aliens

See also Allegiance; Citizenship; Expatriation; Naturalization; *also* Chinese in the U. S., and similar headings

Alimentary canal *see* Digestive system

Alkali lands

Alkalies

See also Ammonia; Chemistry, Inorganic

Alkaloids

See also Chemistry, Organic; Morphine; Ptomaines

Alkoran *see* **Koran**

All fools' day *see* April fools' day

All hallow eve *see* Halloween

Allegiance

See also Aliens; Citizenship; Naturalization

Allegories

See also Fables; Parables

Allegory

See also Allegories; Rhetoric
Alliance, Holy, *see* Holy alliance
Alliance, Triple, *see* Triple alliance

Alliteration

See also Rhetoric; Versification

Allopathy [for polemical treatises only]

Refer from Beer; Brewing; Liquors

Refer from Feeding and feeding stuffs; Fertilizers and manures; Forage plants; Hay; Lucerne (plant) (s)

Refer from Aquatic plants; Cryptogams; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Mosses; Ocean; Sea mosses (s); Seashore; Seaweeds (s)

Refer from Analysis (mathematics) (s); Calculus; Determinants; Equations; Groups, Theory of; Mathematics; Quaternions

Refer from Algonkian Indians (s); Blackfoot Indians; Delaware Indians; Indians; Narragansett Indians

Refer from Indians — Languages

Refer from Architecture, Mohammedan; Granada; Palaces

Refer from Immigration and emigration — U. S.; Naturalization; Sedition act, 1798 (s); U. S. — Constitution; U. S. — History — 1783-1812

Refer from Allegiance; Asylum, Right of; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Law; Naturalization

Refer from Irrigation; Reclamation of land; Soils

Refer from Ammonia; Chemistry; Chemistry, Inorganic

Refer from Chemistry, Organic; Nitrogen; Poisons

Refer from Aliens; Citizenship; International law; Law; Treason

Refer from Allegory; Fables; Fiction; Literature; Parables; Religion

Refer from Rhetoric

Refer from Language; Poetry; Rhetoric; Versification

Refer from Medicine

Alloys

See also Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Pewter; Solder and soldering

Allusions**Alluvium**

See also Geology; Physical geography

Almanacs

See also Calendars; Chronology; Nautical almanacs; Yearbooks

Almsgiving *see* Charity; Poor

Almshouses

See also Asylums; Charities; Poor

Alphabet

See also Cuneiform writing; Hieroglyphics; Inscriptions; Lettering; Paleography; Printing; Runes; Transliteration; Writing

Alphabetizing

See also Cataloging

Alphabets *see* Alphabet; Lettering

Alpine clubs

See also Geographical societies; Mountaineering

Alpine plants

Altaic languages *see* Ural-Altaic languages

Altars

See also Church furniture; Lord's supper; Mass; Sacrifice

Alternating current machinery *see* Electric machinery — Alternating current

Alternating currents *see* Electric currents, Alternating

Altitudes

See also Sea level; *also* names of countries, subhead Altitudes

Altruism

See also Egoism; Ethics

Aluminium

See also Metals

Aluminum *see* Aluminium

Amalgamation

See also Alloys; Amalgams; Mercury

Amalgams

See also Alloys; Mercury

Amateur journalism

See also Students' periodicals

Amateur theatricals

See also Acting; Charades; College plays; Dialogues; Make-up, Theatrical; Monologues; Pantomime; Shadow pantomimes; Tableaux

Amazons

See also Mythology, Classical

Ambassadors

See also Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality

Refer from Amalgamation; Amalgams; Brass; Bronze; Metallography; Metallurgy; Metals; Pewter; Solder and soldering

Refer from Literature; Reference books

Refer from Geology; Physical geography; Soils

Refer from Annuals; Astronomy; Calendars; Chronology; Days; Registers; Statistics; Time; Yearbooks

Refer from Asylums; Charities; Homes (institutions) (s); Institutions, Charitable and philanthropic (s); Poor; Poorhouses (s); Workhouses (charities) (s)

Refer from Alphabets (s); English language — Alphabet (s); Hieroglyphics; Inscriptions; Language; Letters of the alphabet (s); Paleography; Phonetics; Writing

Refer from Cataloging

Refer from Alps; Geographical societies; Mountaineering; Mountains

Refer from Botany; Mountains; Plants

Refer from Church furniture; Sacrifice

Refer from Elevations (s); Heights (s); Hypsometry (s); Physical geography; Sea level; Surveying

Refer from Benevolence (s); Charity; Conduct of life; Egoism; Ethics; Philanthropy; Sociology

Refer from Aluminum (s); Metals

Refer from Alloys; Metallurgy

Refer from Alloys; Amalgamation; Mercury; Metals

Refer from Journalism; Students' periodicals

Refer from Acting; Amusements; Charades; Drama; Drawing-room plays (s); Entertainments; Pantomime; Plays (s); Private theatricals (s); Tableaux; Theater; Theatricals, Amateur (s)

Refer from Mythology, Classical; Women

Refer from Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality; International relations; Ministers of state

Ambidexterity

See also Hand; Left- and right-handedness

Ambition

Ambulance drill *see* First aid in illness and injury

Ambulances

See also First aid in illness and injury

Amendments (parliamentary practice)

See also Parliamentary practice

America — Discovery and exploration

—Discovery and exploration — Pre-Columbian

See also Northmen

American aborigines *see* Indians

American art *see* Art, American

American authors *see* Authors, American

American ballads *see* Ballads, American

American colonial history *see* U. S. — History — Colonial period

American drama

See also American literature; Dramatists, American; English drama; Theater — U. S.

American essays

See also American literature; English essays

American fiction

See also American literature; English fiction

American humor *see* Humor, American

American Indians *see* Indians

American letters *see* Letters, American

American literature

See also American drama; American essays; American fiction; American poetry; Authors, American; Ballads, American; Canadian literature; English literature; German-American literature; Humor, American; Letters, American; Newspapers — U. S.; Orations, American; Parodies; Periodicals — U. S.; Satire, American; Sonnets, American

—Indiana

—New England

See also Boston — Literature

American loyalists *see* Loyalists, American

American newspapers *see* Newspapers — U. S.

American orations *see* Orations, American

American party *see* Know-nothing party

American periodicals *see* Periodicals — U. S.

American poetry

See also American drama; American literature; Ballads, American; Canadian poetry; English poetry; Poets, American; Songs, American; Sonnets, American

American revolution *see* U. S. — History — Revolution

American satire *see* Satire, American

American songs *see* Ballads, American; Songs, American

American sonnets *see* Sonnets, American

American wit and humor *see* Humor, American

Refer from Hand; Left- and right-handedness

Refer from Conduct of life; Success

Refer from Accidents; Carriages; Hospitals; Surgery, Military; Vehicles

Refer from Constitutional law; Parliamentary practice

Refer from U. S. — Discovery and exploration (s); U. S. — History — Colonial period

Refer from Northmen

Refer from American literature; American poetry; Drama; Dramatists, American; English drama; Theater — U. S.; U. S. — Drama (s)

Refer from American literature; English essays; Essays

Refer from American literature; English fiction; Fiction

Refer from American drama; American essays; American fiction; American poetry; Authors, American; English literature; Humor, American; Literature; Satire, American; U. S. — Literature (s)

Refer from Indiana — Literature (s)

Refer from New England — Literature (s)

Refer from American literature; Ballads, American; English poetry; Poetry; Poets, American; Sonnets, American; U. S. — Poetry (s)

Americana *see* subhead Bibliography under America and under names of parts of the continent, regions, countries and places

Americanisms

Americans in Europe

America's cup

See also Yachts and yachting

Amerinds *see* Indians

Amish Mennonites *see* Mennonites

Ammonia

See also Alkalies

Ammunition

See also Firearms; Gunpowder; Ordnance; Projectiles

Amphibia

See also Frogs; Toads; Vertebrates

Amphitheaters

See also Architecture; Gladiators

Amphorae *see* Vases

Amputation

See also Surgery

Amulets

See also Charms; Scarabs

Amusement parks

Amusements

See also Acting; Amateur theatricals; Amusement parks; Athletics; Balls (parties); Camping; Cards; Charades; Circus; Coaches and coaching; Concerts; Conjuring; Dancing; Drills and marches; Entertainments; Fairs; Fencing; Festivals; Fortune telling; Games; Kites; Masquerades; Mathematical recreations; Minstrel shows; Moving pictures; Opera; Pageants; Palmistry; Pantomime; Picnics; Play; Playgrounds; Puppet plays; Puzzles; Riddles; School excursions; Scientific recreations; Soap bubbles; Sports; String figures; Tableaux; Theater; Toys; Vaudeville; Ventriloquism; *also* names of cities, subhead Amusements

Ana *see* Anecdotes

Anabaptists

See also Baptists; Mennonites; Peasants' war

Anabolism *see* Metabolism

Anaesthesia *see* Anesthetics

Anagrams

Analogy

Analysis (chemistry) *see* Assaying; Blowpipe; Chemistry — Analysis; *also* names of substances analyzed

Analysis (mathematics) *see* Algebra; Calculus; Functions

Analysis, Spectrum, *see* Spectrum analysis

Analysis of food *see* Food—Analysis; Food adulteration and inspection

Refer from English language; English language — Dialects; Idioms, English; Slang

Refer from Cup races (s); Yachts and yachting

Refer from Agricultural chemistry; Alkalies; Chemistry, Inorganic; Chemistry, Technical; Fertilizers and manures

Refer from Explosives; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Ordnance; Projectiles

Refer from Batrachia (s); Frogs; Reptiles; Toads; Vertebrates

Refer from Architecture

Refer from Surgery

Refer from Archaeology; Charms; Demonology; Superstition; Talismans (s); Witchcraft

Refer from Amusements; Parks

Refer from Entertaining; Entertainments; Ethics; Games; Manners and customs; Pastimes (s); Play; Recreation (s); Relaxation (s); Sports

Refer from Baptists; Germany — Religious history; Mennonites; Peasants' war; Reformation — Germany; Sects

Refer from Literature; Puzzles

Refer from Logic; Philosophy; Rhetoric

Analytical chemistry *see* Chemistry — Analysis

Analytical geometry *see* Geometry, Analytic

Anarchism and anarchists

See also Nihilism

Anarchy *see* Anarchism and anarchists

Anatomy

See also Abdomen; Anatomy, Artistic; Anatomy, Comparative; Anthropometry; Arm; Autopsy; Bones; Chest; Digestive system; Dissection; Ear; Eye; Foot; Glands; Hand; Head; Histology; Joints; Leg; Morphology; Mouth; Muscles; Nervous system; Nose; Physiology; Respiratory organs; Skeleton; Skin; Surgery; Teeth; Throat; Urinary organs; Vascular system; Vivisection; *also* names of organs, bones, etc.

—**Artistic**

See also Animal painting and illustration; Expression; Figure drawing; Figure painting; Proportion (art)

—**Comparative**

See also Animal locomotion; Animal mechanics; Man — Origin and antiquity; Morphology; Skeleton; Zoology; *also* names of organs and members

Anatomy for artists *see* Anatomy, Artistic

Anatomy of plants *see* Botany, Structural

Ancestor worship

See also Confucianism; Shinto

Ancestry *see* Genealogy; Heredity

Anchors

Ancien régime *see* France — History — Bourbon

Ancient art *see* Art, Ancient

Ancient geography *see* Geography, Ancient

Ancient history *see* History, Ancient

Anecdotes

See also Blunders; Children — Anecdotes and sayings; Humor; Indians — Anecdotes; Last words of famous people; Table-talk; *also* names of wars, subhead Anecdotes

—**Legal**

—**Medical**

—**Musical**

—**Religious**

Anemometer

See also Meteorological instruments

Aneroid barometer *see* Barometer

Anesthetics

See also Chloroform; Cocaine; Ether (anesthetic)

Refer from Anarchy (s); Assassination; Communism; Crime and criminals; Government; Liberty; Nihilism; Sociology

Refer from Abdomen; Arm; Biology; Body, Human (s); Bones; Chest; Digestive system; Dissection; Foot; Glands; Hand; Head; Histology; Human anatomy (s); Human body (s); Joints; Leg; Man; Medicine; Morphology; Muscles; Nervous system; Organography (s); Physiology; Respiratory organs; Skeleton; Skin; Surgery; Urinary organs; Vascular system

Refer from Anatomy; Anatomy for artists (s); Art; Art anatomy (s); Artistic anatomy (s); Drawing; Expression; Figure drawing; Figure painting; Human figure in art (s); Painting; Proportion (art); Sculpture

Refer from Anatomy; Animal mechanics; Comparative anatomy (s); Comparative morphology (s); Dissection; Evolution; Man — Origin and antiquity; Skeleton; Zoology; Zootomy (s)

Refer from Confucianism; Family; Parents; Shinto; Worship

Refer from Ships

Refer from After-dinner speeches; Ana (s); Biography; Blunders; Humor; Illustrations (anecdotes) (s); Literature; Table-talk

Refer from Law; Lawyers; Legal anecdotes (s)

Refer from Medical anecdotes (s); Medicine; Physicians and surgeons

Refer from Music; Music — Anecdotes (s); Musical anecdotes (s); Musicians

Refer from Homiletical illustrations (s); Preaching; Religious anecdotes (s); Religious literature; Sermons — Illustrative helps (s)

Refer from Meteorological instruments; Winds

Refer from Anæsthesia (s); Chloroform; Cocaine; Drugs; Ether (anesthetic); Medicine; Pain; Surgery; Therapeutics

Angels

See also Demonology

Anger

See also Emotions

Angles

See also Geometry

Anglican church *see* Church of England

Anglican communion

See also Church of England; Protestant Episcopal church in the U. S.

Angling *see* Fishing

Anglo-Boer war *see* South African war, 1899-1902

Anglo-Israelism

See also Jews — Lost tribes

Anglo-Saxon language

See also English language; Germanic languages

Anglo-Saxon literature

See also Anglo-Saxon poetry; English literature

Anglo-Saxon poetry

See also Anglo-Saxon literature; English poetry

Anglo-Saxons

See also England — History — To 1066; Teutonic race

Angora goats

See also Goats

Aniline colors *see* Coal-tar colors

Animal behavior *see* Animals — Habits and behavior

Animal charcoal

See also Bone products

Animal chemistry *see* Physiological chemistry

Animal coloration *see* Color of animals

Animal drawing *see* Animal painting and illustration

Animal dwellings *see* Animals — Habitations

Animal electricity *see* Electrophysiology

Animal experimentation

See also Vivisection

Animal fats *see* Oils and fats

Animal food

See also Meat; Vegetarianism

Animal heat

See also Physiological chemistry

Animal homes *see* Animals — Habitations

Animal industry *see* Domestic animals; Live stock

Animal instinct *see* Instinct

Animal intelligence

See also Animals — Habits and behavior; Automatism; Instinct; Psychology, Comparative

Animal kingdom *see* Zoology

Refer from Bible; Heaven; Theology

Refer from Emotions; Ethics

Refer from Geometry

Refer from Church of England; Protestant Episcopal church in the U. S.

Refer from Jews; Jews — Lost tribes

Refer from English language; English language — Old English (s); Germanic languages; Old English language (s); Saxon language (s)

Refer from Anglo-Saxon poetry; English literature; Middle ages — Literature; Old English literature (s)

Refer from Anglo-Saxon literature; English poetry

Refer from Civilization; England — History — To 1066; Ethnology — England; Ethnology — U. S.; Teutonic race

Refer from Goats

Refer from Bone black (s); Bone products; Charcoal

Refer from Animals, Experiments on (s); Animals — Treatment; Experiments (s); Medical research; Vivisection

Refer from Diet; Food; Meat; Vegetarianism

Refer from Calorimeters and calorimetry; Heat; Physiological chemistry; Temperature

Refer from Animal psychology (s); Animals — Habits and behavior; Animals — Stories; Instinct; Intellect; Intelligence of animals (s); Mind in animals (s); Psychology; Psychology, Comparative; Reason; Soul

Animal locomotion

See also Animal mechanics; Flight; Muscles; Running; Speed; Swimming; Walking

Animal lore [including legends]

See also Animal worship; Animals, Mythical; Animals — Stories; Bestiaries; Dragons; Fables; Folklore; Natural history; Nature myths; Vampires; Werewolves

Refer from Anatomy, Comparative; Animal mechanics; Flight; Locomotion; Motion; Movements of animals (s)

Refer from Animal mythology (s); Animals — Folklore (s); Animals — Legends (s); Animals, Mythical; Animals — Stories; Animals in folklore (s); Bestiaries; Dragons; Fables; Folklore; Folklore of animals (s); Imaginary animals (s); Legends; Nature myths; Zoological mythology (s)

Animal magnetism

See also Clairvoyance; Hypnotism; Suggestion

Refer from Biomagnetism (s); Clairvoyance; Hypnotism; Magnetism; Mental healing; Mesmerism (s); Psychical research; Suggestion

Animal mechanics

See also Anatomy, Comparative; Animal locomotion; Flight

Animal mythology *see* Animal lore; Animals, Mythical

Animal oils *see* Oils and fats

Animal painting and illustration

Refer from Anatomy, Comparative; Animal locomotion; Flight; Mechanics

Refer from Anatomy, Artistic; Animal drawing (s); Art; Drawing; Painting

Animal parasites *see* Parasites

Animal photography *see* Photography — Animals

Animal pictures *see* Animals — Pictures

Animal products

See also Bone products; Chemistry, Technical; Commercial products; Dairy products; Eggs; Feathers; Fur; Gelatin; Glue; Hides and skins; Ivory; Leather; Meat; Oils and fats; Silk; Wool

Animal psychology *see* Animal intelligence; Psychology, Comparative

Animal speech *see* Animals — Language

Animal stories *see* Animals — Stories

Refer from Bone products; Chemistry, Technical; Commercial products; Zoology, Economic

Animal worship

See also Serpent worship; Totems and totemism

Refer from Animal lore; Animals, Worship of (s); Mythology; Nature worship; Totems and totemism; Worship

Animalcules

See also Infusoria; Microscope and microscopy; Protozoa

Animals [for descriptive and non-systematic material]

See also Birds; Color of animals; Domestic animals; Hunting; Insects; Instinct; Menageries; Mimicry (biology); Natural history; Nature study; Pets; Play; Taxidermy; Vivariums; Zoological gardens; Zoology, and references under that subject; *also* headings beginning Animal, and names of animals

Refer from Micro-organisms (s); Zoology

Refer from Beasts (s); Natural history; Nature; Nature study; Quadrupeds; Wild animals (s); Zoology

—Behavior, *see* Animals — Habits and behavior

—Breeding, *see* Breeding

—Coloration, *see* Color of animals

—Cruelty to, *see* Animals — Treatment

Diseases

See also Cattle — Diseases; Domestic animals; Parasites; Tuberculosis in animals; Veterinary medicine

—Domestic, *see* Domestic animals

Refer from Diseases of Animals (s); Veterinary medicine

Animals — Continued

—Experiments on, *see* Animal experimentation

—**Extinct**

See also Paleontology

—Fictitious, *see* Animals, Mythical

—Folklore, *see* Animal lore

—Fossil, *see* Paleontology

—Geographic distribution, *see* Geographical distribution of animals and plants

—**Habitations**

See also Nests

—**Habits and behavior**

See also Animal intelligence; Animals — Stories; Hibernation; Instinct; Irritability; Mimicry (biology); Nature study; Orientation; *also* names of animals

—Imaginary, *see* Animals, Mythical

—Irritability, *see* Irritability

—**Language**

—Legends, *see* Animal lore; Animals — Stories

—**Migration**

See also Birds — Migration; Geographical distribution of animals and plants

—**Mythical**

See also Animal lore; Dragons; Sea serpents; Vampires; Werwolves

—Orientation, *see* Orientation

—Photography, *see* Photography — Animals

—**Pictures**

See also Photography — Animals

—Protection, *see* Animals — Treatment; Game laws; Game protection

—**Stories**

See also Animal intelligence; Animal lore; Animals — Habits and behavior; Fables; Nature study; *also* names of animals, e.g. Birds — Stories; Dogs — Stories

—**Training**

See also Domestication; Horse training

—**Transportation**

—**Treatment**

See also Animal experimentation; Animals — Transportation; Checkreins; Humane societies; Vivisection

—Useful and harmful, *see* Domestic animals; Zoology, Economic

—Worship of, *see* Animal worship

Refer from Extinct animals (s); Paleontology

Refer from Animal dwellings (s); Animal homes (s); Habitations of animals (s); Nests

Refer from Animal behavior (s); Animal intelligence; Animals — Behavior (s); Animals — Stories; Habits of animals (s); Hibernation; Instinct; Mimicry (biology); Nature study

Refer from Animal speech (s); Language of animals (s); Speech; Speech of animals (s)

Refer from Birds — Migration; Geographical distribution of animals and plants; Migration of animals (s)

Refer from Animal lore; Animal mythology (s); Animals, Fictitious (s); Animals, Imaginary (s); Dragons; Imaginary animals (s); Mythical animals (s); Mythology; Sea serpents; Vampires; Werwolves; Zoological mythology (s)

Refer from Animal pictures (s); Pictures

Refer from Animal lore; Animal stories (s); Animals — Habits and behavior; Animals — Legends (s); Nature study

Refer from Animals in captivity (s); Circus; Domestication; Training

Refer from Animals — Treatment; Cattle — Transportation (s); Live stock — Transportation (s); Transportation; Transportation of animals (s)

Refer from Animals, Cruelty to (s); Animals — Protection (s); Brutes (s); Cruelty; Domestic animals; Ethics; Humane societies; Kindness to animals (s); Prevention of cruelty to animals (s); Treatment of animals (s)

Animals in captivity *see* Animals — Training;
Menageries; Zoological gardens

Animals in folklore *see* Animal lore

Animals in poetry

Animation, Suspended, *see* Suspended anima-
tion

Animatograph *see* Moving pictures

Animism

See also Fetishism; Idealism; Material-
ism; Serpent worship; Soul; Spiritualism;
Transmigration; Tree worship

Annals *see* Chronology, Historical; History

Annealing

See also Glass; Iron; Steel

Annexations *see* names of countries and cities,
subhead Annexations

Annihilation

See also Future life

Anniversaries

See also Birthdays; Holidays; Wedding
anniversaries

Annals [enter here only the old-fashioned gift
books]

See also Almanacs; Yearbooks

Annals (plants)

See also Botany; Floriculture

Annuities

See also Insurance, Life; Pensions

Anointing *see* Unction

Anonyms

See also Pseudonyms

Ant *see* Ants

Antarctic expeditions *see* Antarctic regions

Antarctic regions

See also Scientific expeditions; South pole;
Voyages and travels

Ante-Nicene fathers *see* Fathers of the church

Anthems

See also Chants; Church music; Hymns

Anthologies *see* Poetry — Collections; *also*,
e.g., English poetry — Collections

Anthracite coal *see* Coal

Anthracite coal strike, 1902

Anthropogeography

See also Acclimatization; Environment;
Migration of nations

Anthropology

See also Anthropogeography; Anthro-
pometry; Archaeology; Cave dwellers; Civi-
lization; Cliff dwellers and cliff dwellings;
Color of man; Crime and criminals; Degen-
eration; Environment; Ethnology; Eth-
nopsychology; Eugenics; Evolution; Lake
dwellers and lake dwellings; Language;

Refer from Poetry; Poetry of animals (s)

Refer from Fetishism; Folklore; Life;
Materialism; Soul; Tree worship

Refer from Glass; Iron; Metals; Pottery;
Steel

Refer from Future life; Theology

Refer from Birthdays; Celebrations (s);
Holidays

Refer from Yearbooks

Refer from Botany; Floriculture; Plants

Refer from Insurance, Life; Investments;
Pensions; Probabilities

Refer from Authors; Bibliography; Pseudo-
nyms

Refer from Antarctic expeditions (s); Arctic
regions; Discoveries and explorations; Earth;
Geography; Polar regions (s); Scientific expe-
ditions; South pole; Voyages and travels

Refer from Chants; Choruses and part songs;
Church music; Music; Songs

Refer from Coal mines and mining; Labor
and laboring classes — Pennsylvania; Strikes
and lockouts

Refer from Acclimatization; Anthropology;
Commercial geography; Environment; Eth-
nology; Geographical distribution of men (s);
Geography; Geography, Social (s); History;
Immigration and emigration; Man; Migration
of nations

Refer from Archaeology; Civilization; Eth-
nology; Evolution; History; Human race (s);
Man; Man — Natural history (s); Migration
of nations; Natural history; Race characteris-
tics (s); Science; Sociology

Man; Manners and customs; Migration of nations; Skeleton; Society, Primitive; Sociology; Tribes and tribal system; Women; *also* names of races, tribes, etc.

Anthropometry

See also Bertillon system; Finger prints; Identification; Psychometry

Refer from Anatomy; Anthropology; Bertillon system; Crime and criminals; Ethnology; Human body (s); Identification; Man; School children

Anthropophagy *see* Cannibalism

Antichrist

Anti-corrosive paint *see* Corrosion and anti-corrosives

Antidotes *see* Poisons; *also* names of poisons

Anti-imperialism *see* Imperialism

Anti-masonry *see* Freemasons

Antinomianism

Refer from Jesus Christ; Theology

Refer from Calvinism; Congregationalism; Massachusetts — Religious history; Mosaic law; Theology

Antiquarian societies

See also Historical societies

Refer from Archaeology; Historical societies; Societies

Antiquarians *see* Archaeologists

Antiques

Refer from Art; Collectors and collecting; Furniture

—Forged

See also Art forgeries

Refer from Art forgeries; Counterfeits; Forgeries (s); Forgery of antiques (s); Fraud; Imposture; Swindlers and swindling

Antiquities *see* Archaeology; *also* names of countries, cities, etc., subhead Antiquities

Antiquity of man *see* Man — Origin and antiquity

Anti-reformation *see* Counter-reformation

Anti-Semitism *see* Jews — Political and social conditions

Antiseptics

See also Disinfection and disinfectants; Putrefaction

Refer from Disinfection and disinfectants; Medicine; Putrefaction; Surgery; Therapeutics

Antislavery *see* Slavery

Antitoxins

See also Immunity; Serum therapy

Refer from Diphtheria; Drugs; Immunity; Physiological chemistry; Poisons; Serum therapy; Tetanus; Therapeutics; Toxins

Antlers *see* Horns

Antonyms *see* Synonyms and antonyms

Ants

See also Hymenoptera

Anxiety *see* Fear; Worry

Apache Indians

Apartment houses

See also Lodging houses; Tenement houses

Refer from Ant (s); Hymenoptera

Refer from Indians

Refer from Architecture, Domestic; Flats (s); Home economics; Hotels; Housing problem; Landlord and tenant; Tenement houses

Ape *see* Apes

Apes

See also Gorillas; Monkeys; Primates

Refer from Ape (s); Gorillas; Monkeys; Primates

Refer from Brain; Mental diseases; Speech

Aphasia

Aphididae *see* Plant lice

Aphorisms *see* Epigrams; Maxims; Proverbs;

Quotations; Table-talk

Apiaries *see* Bees

Apiculture *see* Bees

Apocalypse *see* Bible — New Testament — Revelation

Apocalyptic literature

See also Bible — New Testament — Revelation; Revelation

Apocrypha *see* Bible — Old Testament — Apocrypha

Apocryphal books (New Testament) *see* Bible — New Testament — Apocryphal books

Apologetics *see* Christianity — Evidences

Apoplexy

Refer from Bible — New Testament — Revelation; Prophecies; Revelation

Refer from Brain; Cerebral hemorrhage (s); Medicine — Practice; Paralysis

Apostles

See also Bible — New Testament; Church history — Early church — Apostolic; Saints

Refer from Bible; Bible — New Testament; Christian biography; Christianity; Church history — Early church — Apostolic; Evangelists (s); Jesus Christ; Saints; Theology

Apostles' creed

Refer from Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds

Apostolic canons

See also Apostolic constitutions

Refer from Apostolic constitutions; Canons, Apostolic (s); Church law; Fathers of the church; Theology

Apostolic church *see* Church history — Early church — Apostolic

Apostolic constitutions

See also Apostolic canons

Refer from Apostolic canons; Bible — New Testament — Apocryphal books; Church law; Constitutions, Apostolic (s); Fathers of the church; Theology

Apostolic fathers

See also Church history — Early church — Apostolic; Fathers of the church

Refer from Christian biography; Church history — Early church — Apostolic; Fathers of the church

Apostolic succession

See also Bishops; Catholic church — Clergy; Church of England — Clergy; Episcopacy; Popes

Refer from Bishops; Catholic church; Catholic church — Clergy; Church history; Church of England; Church of England — Clergy; Church polity; Episcopacy; Popes; Protestant Episcopal church in the U. S.; Theology

Apothecaries *see* Pharmacists

Apothegms *see* Epigrams; Maxims; Proverbs; Quotations; Table-talk

Apparatus *see* Instruments

Apparitions

See also Demonology; Ghosts; Illusions and hallucinations; Psychical research; Spiritualism

Refer from Demonology; Dreams; Ghosts; Illusions and hallucinations; Phantoms (s); Psychical research; Psychology; Specters (s); Spectres (s); Spirits (s); Spiritualism; Supernatural; Superstition; Visions (s)

Appeal

Refer from Courts; Law; Pleading and practice

Appendicitis

Refer from Intestines; Medicine — Practice; Surgery

Apperception

See also Attention; Knowledge; Perception; Psychology; Psychology, Educational

Refer from Knowledge; Perception; Psychology, Educational

Apple

See also Cider; Fruit

Refer from Apples (s); Fruit

Apples *see* Apple

Applied mechanics *see* Mechanical engineering; Mechanics, Applied

Applied science *see* Technology

Appraisal of books *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

Appraising

See also Administrators and executors; Arbitration and award; Damages; Eminent domain; Insurance; Taxation

Appreciation of art *see* Art — Appreciation

Appreciation of music *see* Music — Appreciation

Apprentices

Refer from Arbitration and award; Damages; Law; Property; Taxation

April fools' day

Refer from Boys; Child labor; Economics; Indentured servants; Industrial education; Labor and laboring classes; Master and servant; Technical education

Refer from All fools' day (s); Days; Manners and customs

Aquariums

See also Fresh-water fauna; Water gardens

Refer from Fish; Fresh-water fauna; Marine zoology; Natural history; Vivariums; Water gardens; Zoology

Aquatic animals *see* Fresh-water fauna; Marine zoology

Aquatic birds *see* Water birds

Aquatic gardening *see* Water gardens

Aquatic insects *see* Insects, Aquatic

Aquatic life *see* Fresh-water life; Marine biology

Aquatic plants

See also Algæ; Fresh-water life; Marine biology; Water gardens

Refer from Algae; Botany; Fresh-water flora (s); Fresh-water life; Marine biology; Marine botany (s); Marine flora (s); Marine plants (s); Plants; Plants, Aquatic (s); Sea plants (s); Water gardens; Water plants (s)

Refer from Boats and boating; Rowing; Sailing; Sports; Swimming; Water sports (s); Yachts and yachting

Aquatic sports

See also Boats and boating; Canoes and canoeing; Fishing; Rowing; Sailing; Sports; Swimming; Yachts and yachting

Aqueducts

See also Civil engineering

Refer from Canals; Civil engineering; Conduits (s); Engineering; Hydraulic engineering; Water supply

Refer from Decoration and ornament

Arabesques

See also Decoration and ornament

Arabic language

See also Inscriptions, Arabic; Manuscripts, Arabic; Semitic languages

Arabic literature

See also Arabic poetry; Oriental literature

Refer from Semitic languages

Refer from Arabic poetry; Oriental literature; Turkish literature

Arabic numerals *see* Numerals

Arabic poetry

See also Arabic literature

Refer from Arabic literature

Arabs

See also Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race

Refer from Algeria; Arabia; Bedouins; Mohammedanism; Moors; Saracens; Semitic race

Arabs in Spain *see* Moors in Spain

Arachnida

See also Arthropoda; Spiders

Refer from Arthropoda; Spiders

Arbitrage *see* Stock exchange

Arbitration, Industrial, *see* Arbitration and conciliation, Industrial

Arbitration, International

See also Disarmament; International law; Peace; War

Refer from Arbitration and award; Disarmament; International arbitration (s); International law; International relations; Peace; Treaties; War

Arbitration and award

See also Arbitration, International; Appraising; Damages; Eminent domain

Arbitration and conciliation, Industrial

See also Labor and capital; Labor exchanges; Strikes and lockouts; Trade agreements

Refer from Appraising; Awards (s); Damages; Law

Refer from Arbitration, Industrial (s); Commercial law; Conciliation, Industrial (s); Industrial arbitration (s); Industrial conciliation (s); Labor and capital; Labor and laboring classes; Labor unions; Strikes and lockouts; Trade agreements

Arbor day

See also Tree planting

Refer from Forests and forestry; Holidays; Tree planting; Trees

Arboriculture *see* Forests and forestry; Fruit culture; Tree planting; Trees

Arc, Electric, *see* Electric arc

Arc lamps *see* Electric lamps

Arc light *see* Electric lighting; *also* Electric arc

Arcades

Arch *see* Arches

Archaean period *see* Geology, Stratigraphic — Archaean

Archaeologists

See also Historians

Refer from Architecture

Refer from Antiquarians (s); Biography; Historians

Archaeology

See also Amulets; Anthropology; Antiquarian societies; Architecture, Ancient; Arms and armor; Arrowheads; Art, Ancient; Art, Primitive; Baths and bathing; Bells; Bible — Antiquities; Brasses; Bronze age; Bronzes; Burial; Castles; Catacombs; Cave dwellers; Caves; Cemeteries; Chariots; Christian antiquities; Christian art and symbolism; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Costume; Cromlechs; Cross; Earthworks (archaeology); Epitaphs; Ethnology; Folklore; Funeral rites and ceremonies; Gems; Heraldry; History; History, Ancient; Indians — Antiquities; Industries, Primitive; Inscriptions; Iron age; Kitchen middens; Lake dwellers and lake dwellings; Man — Origin and antiquity; Manners and customs; Medals; Middle ages; Monuments; Mounds and mound builders; Mummies; Mythology; Numismatics; Obelisks; Painting; Picture writing; Pottery; Pyramids; Round towers; Sculpture; Seals (numismatics); Stone age; Stone implements; Sundials; Temples; Tombs; *also* names of countries, cities, etc., subhead Antiquities

Refer from Anthropology; Antiquities (s); Architecture; Architecture, Ancient; Art; Art, Ancient; Art, Primitive; Bronze age; Cave dwellers; Civilization; Classical antiquities; Cliff dwellers and cliff dwellings; Copper age; Earthworks (archaeology); Ethnology; Excavations (s); History; History, Ancient; Industries, Primitive; Iron age; Lake dwellers and lake dwellings; Man; Man — Origin and antiquity; Manners and customs; Monuments; Mythology; Prehistoric archaeology (s); Ruins (s); Stone age

Archbishops

See also Bishops; Catholic church — Clergy; Church of England — Clergy

Refer from Bishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy

Archegony *see* Spontaneous generation

Archery

See also Bow and arrow

Refer from Bow and arrow; Military art and science; Shooting; Sports

Arches

See also Arches of triumph; Architecture; Bridges; Building; Culverts; Strains and stresses; Vaulting

Arches of triumph**Architects**

Architectural acoustics *see* Acoustics of buildings

Architectural design

See also Architectural drawing

Architectural details *see* Architecture — Details

Architectural drawing

See also Architectural design; Architecture — Details; Blue prints; Mechanical drawing

Architectural gardening *see* Landscape gardening

Architecture

See also Acoustics of buildings; Amphitheaters; Arcades; Archaeology; Arches; Arches of triumph; Architects; Architectural design; Architectural drawing; Art; Barns and stables; Basilicas; Baths, Public; Bridges; Building; Building materials; Carpentry; Castles; Cathedrals; Ceilings; Chimneys; Christian art and symbolism; Church architecture; Columns; Concrete construction; Cornices; Decoration and ornament; Domes; Doors; Factories; Farm buildings; Fences; Fireplaces; Fireproof construction; Floors; Foundations; Fountains; Gables; Garages; Gates; Grain elevators; Greenhouses; Grilles; Heating; High buildings; Hospitals; Hotels; House painting; Library architecture; Machine shops; Masonry; Metal work; Military architecture; Mills and millwork; Moldings; Mosques; Municipal art; Municipal centers; Mural painting and decoration; Obelisks; Orders of architecture; Orientation (architecture); Packing houses; Palaces; Pergolas; Plumbing; Portable buildings; Proportion (art); Public buildings; Pyramids; Railings; Railroads — Buildings; Railroads — Stations; Roofs; Sanitary engineering; Schoolhouses; Secret chambers; Spires; Stair building; Steel construction; Strains and stresses; Strength of materials; Temples; Theaters; Tombs; Towers; Trusses; Vaulting; Vaults; Ventilation; Walls; Warehouses; Windows; Woodwork; *also* names of cities, subhead Architecture

—Ancient

See also Archaeology; Architecture, Greek; Cliff dwellers and cliff dwellings; Lake dwellers and lake dwellings; Pyramids; Temples

—Colonial

See also Architecture, American; *also* names of states and cities, subhead Historic houses, etc.

Refer from Arch (s); Architecture; Bridges; Building; Civil engineering; Engineering; Masonry; Roofs; Strains and stresses; Vaulting

Refer from Arches; Architecture; Monuments; Triumphal arches (s)

Refer from Architecture; Artists; Biography

Refer from Architectural drawing; Architecture; Decoration and ornament; Design, Architectural (s); Design, Decorative

Refer from Architectural design; Architecture; Drawing; House plans (s); Mechanical drawing; Plans (architecture) (s)

Refer from Acoustics of buildings; Amphitheaters; Arches; Art; Basilicas; Building; Castles; Church architecture; Columns; Construction (s); Cornices; Decoration and ornament; Domes; Doors; Engineering; Industrial arts; Moldings; Palaces; Pergolas; Roofs; Strength of materials; Towers; Vaulting; Windows

Refer from Archaeology; Art, Ancient

Refer from Architecture, American; Colonial architecture (s); Colonial life and customs

Architecture—Continued

—**Details**

—**Domestic**

See also Apartment houses; Bungalows; Cottages; Country houses; Farm buildings; Fireplaces; Heating; House decoration; House painting; Housing problem; Log cabins; Plumbing; Tenement houses

—**Ecclesiastical**, *see* Church architecture

—**Gothic**

See also Cathedrals; Church architecture

—**Greek**

See also Orders of architecture; Temples

—**Medieval**

See also Castles; Cathedrals, and other references under Architecture

—**Military**, *see* Fortification; Military architecture

—**Mohammedan**

See also Alhambra; Mosques

—**Moorish**, *see* Architecture, Mohammedan

—**Naval**, *see* Shipbuilding

—**Oriental**

See also Architecture, Mohammedan; Mosques; Taj Mahal; Temples

—**Renaissance**

See also Art, Renaissance

—**Rural**, *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings

Archives

See also Charters; Manuscripts; Paleography; Vital records; *also* names of countries, subhead Archives

Arctic expeditions *see* Arctic regions

Arctic flora *see* Botany — Arctic regions

Arctic regions

See also Antarctic regions; Eskimos; Icebergs; North pole; Northeast passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of exploring expeditions

Areometer *see* Hydrometer

Argon

Argonauts

See also Mythology, Classical

Argot *see* Slang

Argument *see* Debating; Logic

Arianism

See also Church history — Early church; Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism

Arid farming *see* Dry farming

Refer from Architectural details (s); Architectural drawing; Details, Architectural (s)

Refer from Architecture, Rural (s); Cottages; Country houses; Domestic architecture (s); Dwellings (s); Farm buildings; Farm houses (s); Fireplaces; Habitations, Human (s); House plans (s); Houses (s); Plans (architecture) (s); Residences (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Tenement houses; Villas (s)

Refer from Cathedrals; Christian antiquities; Church architecture; Gothic architecture (s); Pointed architecture (s)

Refer from Architecture, Ancient; Greek architecture (s); Orders of architecture

Refer from Medieval architecture (s); Middle ages — Architecture (s)

Refer from Architecture, Moorish (s); Architecture, Oriental; Mohammedan architecture (s); Moorish architecture (s); Mosques

Refer from Mosques; Oriental architecture (s); Temples

Refer from Art, Renaissance; Renaissance; Renaissance architecture (s)

Refer from Bibliography; Charters; Documents (s); History — Sources; Manuscripts; Public records (s); Records, Public (s)

Refer from Arctic expeditions (s); Discoveries and explorations; Earth; Eskimos; Geography; Ice; Icebergs; North pole; Northeast passage; Northwest passage; Polar regions (s); Scientific expeditions; Voyages and travels

Refer from Air; Chemical elements; Gases

Refer from Golden fleece (s); Mythology, Classical

Refer from Church history — Early church; Humanitarianism (theology) (s); Jesus Christ — Divinity; Socinianism; Trinity; Unitarianism

Aristocracy

See also Democracy; Government; Oligarchy; Peerage

Arithmetic

See also Calculating machines; Decimal system; Interest; Mathematical instruments; Mathematics; Mensuration; Metric system; Notation (mathematics), Numbers; Numerals; Ready-reckoners

—Commercial

See also Accounting; Bookkeeping; Calculating machines; Interest; Ready-reckoners

Arithmetical instruments *see* Mathematical instruments

Arm

See also Anatomy; Artificial limbs

Armada, 1588

See also England — History — Elizabethan period; England — History, Naval; Spain — History — 1479-1700; Spain — History, Naval

Armaments *see* Armies; Disarmament; Navies; *also* names of countries, subheads Army and Navy

Armatures

See also Commutators; Dynamos; Electromagnets

Armenian language

See also Aryan languages; Oriental languages

Armies

See also Army life; Disarmament; Mercenary troops; Militarism; Military art and science; Military hygiene; Military maneuvers; Military service; Militia; Navies; Recruiting and enlistment; Soldiers; War; *also* names of countries, subhead Army

Arminianism

Armor *see* Arms and armor

Armor plate

See also Armored vessels; Coast defense; Nickel steel

Armored concrete *see* Concrete, Reinforced

Armored vessels

See also Armor plate; Navies; Warships

Armories

See also Arsenal; Military architecture

Arms (anatomy) *see* Arm

Arms, Coats of, *see* Heraldry

Arms and armor

See also Artillery; Bayonets; Boomerangs; Bow and arrow; Firearms; Guns; Helmets; Indians — Implements and weapons; Ordnance; Pistols; Rifles; Swords; Throwing sticks

Army *see* Armies; Military art and science;

also names of countries, subhead Army

Army canteens *see* Canteens (army)

Refer from Constitutional history; Democracy; Equality; Government; Nobility (s); Peerage

Refer from Interest; Mathematics; Mental arithmetic (s); Numbers; Oral arithmetic (s); Weights and measures

Refer from Accounting; Business arithmetic (s); Cambistry (s); Commercial arithmetic (s)

Refer from Anatomy; Arms (anatomy) (s)

Refer from England — History — Elizabethan period; England — History, Naval; Naval battles; Spain — History — 1479-1700; Spain — History, Naval; Spanish armada (s)

Refer from Dynamos; Electric apparatus and appliances; Electric armatures (s); Electric engineering; Electric motors; Electricity; Electromagnets

Refer from Aryan languages; Oriental languages

Refer from Armaments (s); Army (s); Disarmament; Militarism; Military art and science; Military power (s); Navies; Soldiers; Standing army (s); War

Refer from Calvinism; Predestination; Theology

Refer from Armored vessels; Coast defense; Naval art and science; Nickel steel; Steel; Warships

Refer from Armor plate; Iron-clad vessels (s); Ironclads (s); Naval art and science; Navies; Shipbuilding; Ships; Warships

Refer from Arsenal; Military architecture

Refer from Archaeology; Armor (s); Bayonets; Costume, Military (s); Firearms; Heraldry; Military art and science; Military costume (s); Swords; Weapons (s)

Army life

See also Military service; Soldiers

Army of the Cumberland

See also U. S. — History — Civil war

Army of the Potomac

See also Peninsular campaign, 1862; U. S. — History — Civil war

Aromatic plant products *see* Essences and essential oils

Arrest

See also Bail; Constables; Extradition; Habeas corpus; Sheriffs

Arrow-heads *see* Arrowheads

Arrowheads

See also Bow and arrow; Indians — Antiquities

Arrows *see* Bow and arrow

Arsenals

See also Armories; Military architecture; also names of cities, subhead Arsenals

Arsenic**Art**

See also Anatomy, Artistic; Animal painting and illustration; Antiques; Archaeology; Architecture; Art and morals; Art forgeries; Art in literature; Art societies; Artists; Arts and crafts, and references under that subject; Brasses; Bric-a-brac; Bronzes; Caricature and cartoons; Carving (art industries); Children in literature and art; Christian art and symbolism; Classicism; Collectors and collecting; Composition (art); Costume; Decoration and ornament; Design, Decorative; Drawing; Engraving; Esthetics; Etching; Frescoes; Gems; Glyptics; House decoration; Idealism in art; Illustration of books; Impressionism (art); Indians — Art; Industrial arts; Landscape gardening; Lithography; Madonnas; Miniature painting; Mosaics; Municipal art; Mural painting and decoration; Music; Naturalism in art; Nude in art; Numismatics; Painting; Pastel; Photography; Pictures; Portraits; Posters; Preraphaelitism; Proportion (art); Realism in art; Sculpture; Silhouettes; Stained glass; Symbolism; Women in literature and art; also names of cities, subhead Art

— American

See also Architecture, American; Painting, American; Sculpture, American

— Ancient

See also Archaeology; Architecture, Ancient; Art, Primitive; Classical antiquities; also Art, Greek; Art, Roman; etc.

— Appreciation

See also Art — Criticism; Art — Study and teaching; Esthetics

Refer from Armies; Military life (s); Soldiers; U. S. — Army

Refer from Cumberland, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

Refer from Peninsular campaign, 1862; Potomac, Army of the (s); U. S. — History — Civil war; U. S. — History — Civil war — Campaigns and battles; U. S. — History — Civil war — Regimental histories

Refer from Bail; Constables; Criminal law; Imprisonment (s); Sheriffs

Refer from Archaeology; Arrow-heads (s); Bow and arrow; Indians — Antiquities

Refer from Armories; Firearms; Military architecture; Ordnance

Refer from Chemical elements; Poisons

Refer from Architecture; Arts, Fine (s); Arts and crafts; Christian art and symbolism; Civilization; Composition (art); Decoration and ornament; Design, Decorative; Esthetics; Fine arts (s); Graphic arts (s); Iconography (s); Painting; Sculpture

Refer from American art (s); U. S. — Art (s); U. S. — Fine arts (s)

Refer from Ancient art (s); Archaeology

Refer from Appreciation of art (s); Art — Criticism; Art — Study and teaching; Esthetics

Art—Continued

—Christian, *see* Christian art and symbolism

—**Criticism**

See also Art — Appreciation; Esthetics

—Decorative, *see* Arts and crafts; Decoration and ornament; Design, Decorative

—Education, *see* Art — Study and teaching

—**Exhibitions**

See also Art — Galleries and museums

—**Galleries and museums**

See also Art — Exhibitions; Paintings; also names of galleries, e.g. Louvre, Versailles (palace); and names of cities, sub-head Galleries and museums

—**Medieval**

—Municipal, *see* Municipal art

—**Primitive**

See also Archæology; Indians — Art

—**Renaissance**

See also Architecture, Renaissance; Renaissance

—**Study and teaching**

See also Art — Appreciation

Art anatomy *see* Anatomy, Artistic

Art and morals

See also Nude in art

Art criticism *see* Art — Criticism

Art education *see* Art — Study and teaching

Art forgeries

See also Antiques, Forged

Art galleries *see* Art — Galleries and museums

Art glass *see* Glass, Ornamental

Art in literature

Art in the schoolroom *see* Art — Study and teaching; School decoration

Art industries *see* Arts and crafts; Industrial arts

Art museums *see* Art — Galleries and museums

Art societies

Arteries

See also Blood; Blood vessels; Veins

Artesian wells

See also Boring; Wells

Arthropoda

See also Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

Arthurian romances

See also Grail

Articles, Thirty-nine, *see* Church of England

— Articles of religion

Articulations *see* Joints

Artificial flowers

See also Glass flowers; Paper flowers; Wax flowers

Refer from Art — Appreciation; Art criticism (s); Criticism; Esthetics

Refer from Art — Galleries and museums; Exhibitions; Paintings; Pictures

Refer from Art—Exhibitions; Art galleries(s); Art museums (s); Exhibitions; Galleries (art) (s); Museums; Paintings; Pictures

Refer from Medieval art (s); Middle ages — Art (s)

Refer from Archaeology; Art, Ancient; Ethnology; Primitive art (s)

Refer from Architecture, Renaissance; Renaissance; Renaissance art (s)

Refer from Art — Appreciation; Art — Education (s); Art education (s); Art in the schoolroom (s)

Refer from Art; Ethics; Nude in art

Refer from Antiques, Forged; Art; Counterfeits; Forgeries (s); Forgery; Forgery of works of art (s); Fraud; Imposture; Paintings; Pictures; Swindlers and swindling

Refer from Art; Literature

Refer from Art; Artists; Societies

Refer from Blood; Blood vessels; Vascular system; Veins

Refer from Boring; Hydraulic engineering; Water supply; Wells

Refer from Arachnida; Crustacea; Insects; Invertebrates; Myriapoda

Refer from Chivalry; Grail; Legends; Middle ages — Literature; Romances; Round Table (s)

Refer from Fancy work; Flowers; Flowers, Artificial (s); Millinery

Artificial ice *see* Ice — Manufacture
Artificial language *see* Language, Artificial

Artificial limbs

Artificial stone *see* Stone, Artificial

Artillery

See also Artillery drill and tactics; Gunnery; Military art and science; Naval guns; Ordnance; Projectiles; *also* under country, e.g. U. S.— Army — Artillery. For volunteer regiments in the U. S. *see* under name of state, e.g. New York artillery

Artillery drill and tactics

See also Gunnery; Tactics; Target practice

Artistic anatomy *see* Anatomy, Artistic

Artists

See also Architects; Art societies; Bohemianism; Engravers; Illustrators; Musicians; Painters; Sculptors; Women as artists

Artists' marks

Arts, Fine, *see* Art

Arts, Useful, *see* Industrial arts

Arts and crafts

See also Art; Basketwork; Beadwork; Bookbinding; Carving (art industries); China painting; Coppersmithing; Decoration and ornament; Design, Decorative; Domestic arts; Embroidery; Enamel; Furniture; Gesso; Glass; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Lace; Lacquer; Leather work; Manual training; Metal work; Modeling; Mosaics; Needlework; Pewter; Pottery; Pyrography; Repoussé work; Rugs; Shellwork; Silversmithing; Stencil work; Tapestry; Weaving; Wood carving

Aryan civilization *see* Civilization, Aryan

Aryan languages

See also Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Iranian languages; Latin language; Romance languages; Slavic languages

Aryans

See also Caucasian race; Celts; Civilization, Aryan; Hindus; Latin races; Slavs; Teutonic race

Asbestos

See also Geology, Economic

Ascension of Jesus Christ *see* Jesus Christ — Resurrection and ascension

Asceticism

See also Fasting; Hermits; Monasticism

Ash Wednesday

See also Lent

Asiatic cholera *see* Cholera, Asiatic

Refer from Arm; Leg

Refer from Arms and armor; Batteries (military) (s); Coast artillery (s); Coast defense; Field artillery (s); Firearms; Gunnery; Guns; Military art and science; Ordnance

Refer from Artillery; Drill (military); Gunnery; Military art and science; Tactics

Refer from Art; Biography; Engravers; Painters; Sculptors

Refer from Initials; Marks, Artists' (s); Monograms

Refer from Art; Art, Decorative (s); Art industries (s); Carving (art industries); China painting; Coppersmithing; Crafts (s); Decoration and ornament; Design, Decorative; Domestic arts; Enamel; Gesso; Goldsmithing; Handicraft; Illumination of manuscripts and books; Industrial arts; Inlay; Ironwork; Jewelry; Leather work; Manual training; Metal work; Modeling; Mosaics; Pottery; Pyrography; Repoussé work; Silversmithing; Wood carving

Refer from Armenian language; Celtic languages; Germanic languages; Greek language; Indo-Aryan languages; Indo-European languages (s); Indo-Germanic languages (s); Iranian languages; Language; Latin language; Romance languages; Slavic languages

Refer from Caucasian race; Celts; Civilization, Aryan; Ethnology; Ethnology — Asia; Ethnology — Europe; Hindus; Indo-Europeans (s); Indo-Germanic peoples (s); Latin races; Slavs; Teutonic race

Refer from Fireproofing; Geology, Economic; Mineralogy

Refer from Church discipline; Church polity; Conduct of life; Ethics; Fanaticism; Fasting; Hermits; Monasticism

Refer from Christian year; Fasts and feasts; Lent

Asiatic languages *see* Oriental languages

Asiatic literature *see* Oriental literature

Asphalt

See also Geology, Economic; Pavements

Aspiration *see* Ideals

Assassination

See also Anarchism and anarchists;

Murder

Assault

Assaying

See also Blowpipe; Metallurgy; Ores

Assembly, Right of

See also Liberty of speech; Public meetings

Assessment *see* Taxation

Assignments

See also Attachment; Bankruptcy; Commercial law; Liens

Assimilation *see* Absorption (physiology);

Metabolism; Nutrition

Associated charities *see* Charity organization

Association *see* Cooperation

Association of Ideas

See also Memory; Psychology

Associations *see* Corporations; Gilds; Labor unions; Societies

Assurance *see* Insurance

Assyrian language

See also Cuneiform writing; Semitic languages

Assyrian literature *see* Assyro-Babylonian literature

Assyriology *see* Assyria — Antiquities

Assyro-Babylonian literature

See also Cuneiform writing; Oriental literature

Asteroids

See also Astronomy

Asthma

See also Respiratory organs — Diseases

Astigmatism

See also Eye — Diseases and defects

Astrolabe

See also Astronomical instruments

Astrology

See also Occult sciences

Astronomers

Astronomical instruments

See also Astrolabe; Astronomical photography; Astronomy, Spherical and practical; Chronograph; Heliometer; Heliostat; Photochronograph; Sextant; Spectroscope; Telescope; Transit (instrument)

Refer from Bitumen (s); Commercial products; Concrete; Geology, Economic; Pavements; Pitch, Mineral (s); Streets

Refer from Conspiracies; Crime and criminals; Murder

Refer from Criminal law

Refer from Analysis (chemistry) (s); Blowpipe; Chemistry; Chemistry — Analysis; Metallurgy; Metals; Mineralogy; Ores; Prospecting

Refer from Liberty; Liberty of speech; Public meetings; Right of assembly (s)

Refer from Attachment; Bankruptcy; Commercial law; Contracts; Debt; Law; Trustees

Refer from Ideas, Association of (s); Memory; Mental association (s); Psychology

Refer from Cuneiform writing; Semitic languages

Refer from Assyrian literature (s); Babylonian literature (s); Cuneiform writing; Oriental literature

Refer from Astronomy; Planets; Solar system; Stars

Refer from Medicine — Practice; Respiratory organs — Diseases

Refer from Eye — Diseases and defects; Sight

Refer from Astronomical instruments

Refer from Astronomy; Divination; Fortune telling; Hermetic art (s); Horoscopes (s); Occult sciences; Omens; Planets; Stars; Superstition; Zodiac

Refer from Astronomy; Scientists

Refer from Astrolabe; Astronomy; Astronomy, Spherical and practical; Chronograph; Heliometer; Heliostat; Instruments; Optical instruments; Scientific apparatus and instruments; Sextant; Telescope; Transit (instrument)

Astronomical mythology

Astronomical observatories

Astronomical photography

See also Photochronograph

Astronomy

See also Aberration; Almanacs; Asteroids; Astrology; Astronomers; Astronomical instruments, and names of instruments; Astronomical mythology; Astronomical observatories; Astronomical photography; Astrophysics; Azimuth; Bible — Astronomy; Calendar; Chronology; Comets; Earth; Eclipses; Equinoxes; Geodesy; Geography, Mathematical; Globes; Gravitation; Latitude and longitude; Mechanics, Celestial; Meteorites; Meteoritic hypothesis; Meteors; Milky way; Moon; Nautical almanacs; Nautical astronomy; Nebulae; Nebular hypothesis; Nutation; Occultations; Orbits; Parallax; Perturbation; Planetesimal hypothesis; Planets [and their names]; Planispheres; Plurality of worlds; Satellites; Seasons; Solar system; Space; Spectra; Spectrum analysis; Stars; Sun; Tides; Time; Transits; Universe; Zodiac; Zodiacal light

— **Atlases**

See also Planispheres

— **History**

— **Spherical and practical**

See also Aberration; Astronomical instruments; Azimuth; Eclipses; Latitude and longitude; Least squares; Nautical astronomy; Navigation; Nutation; Occultations; Parallax; Refraction; Time

Astrophysics

See also Astronomy; Spectrum analysis; Stars; Sun

Asylum, Right of

See also Aliens

Asylums

See also Almshouses; Blind — Asylums and education; Charities; Deaf and dumb — Asylums and education; Homes for the aged; Hospitals; Inebriate asylums; Insane hospitals; Orphans and orphan asylums; Poor; *also* names of countries and cities, subhead Hospitals and asylums

Atavism *see* Heredity

Athanasian creed

Atheism

See also Agnosticism; Deism; God; Materialism; Natural religion; Skepticism; Theism

Athletics

See also Boxing; College athletics; Fencing; Games; Gymnastics; Jiu-jitsu; Olympic games; Physical education; Rowing; Running; School athletics; Skating; Sports; Swimming; Track athletics; Training; Walking; Wrestling

Refer from Astronomy; Mythology; Nature myths

Refer from Astronomy; Observatories, Astronomical (s)

Refer from Astronomical instruments; Astronomy; Photography; Photography, Astronomical (s)

Refer from Asteroids; Astrophysics; Comets; Constellations (s); Earth; Eclipses; Equinoxes; Geography, Mathematical; Globes; Gravitation; Heavens (s); Latitude and longitude; Mathematics; Mechanics, Celestial; Meteors; Milky way; Moon; Nebulae; Nebular hypothesis; Occultations; Parallax; Physics; Planets; Satellites; Science; Sky (s); Solar physics (s); Solar system; Stars; Sun; Tides; Time; Transits; Universe; Uranography (s); Zodiac

Refer from Atlases; Star atlases (s); Stars

Refer from Aberration; Astronomical instruments; Azimuth; Eclipses; Geodesy; Latitude and longitude; Least squares; Nautical astronomy; Nutation; Occultations; Parallax; Refraction; Spherical astronomy (s); Time

Refer from Astronomy; Solar physics (s); Stars; Sun

Refer from Church and state; Church law; Extradition; International law; Law; Right of sanctuary (s); Sanctuary (s)

Refer from Almshouses; Charities; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Poor

Refer from Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds; Trinity

Refer from Agnosticism; Deism; God; Natural religion; Philosophy; Religion; Skepticism; Theism

Refer from Amusements; College athletics; Games; Gymnastics; Physical education; Physical training (s); Play; Sports; Track athletics; Training

Atlantic cable *see* Cables, Submarine

Atlantic coast

See also names of states and localities of the Atlantic coast

Atlases

See also Astronomy — Atlases; Bible — Geography; Geography; Historical atlases; Maps; *also* names of countries, etc., subhead Description and travel — Maps

Atlantl *see* Throwing sticks

Atmosphere *see* Air; Meteorology

Atmospheric electricity

See also Auroras; Lightning

Atmospheric nucleation

See also Condensation; Ionization of gases

Atomic theory

See also Atoms; Chemistry — History; Chemistry, Physical

Atomic weights

See also Chemistry, Physical; Periodic law

Atoms

See also Atomic theory; Atomic weights; Chemistry; Chemistry, Physical; Electrons; Ions; Matter; Molecules; Physics; Stereochemistry

Atonement

See also Jesus Christ

Attachment

See also Assignments; Liens

Attention

See also Observation; Psychology; Psychology, Educational

Attorneys *see* Agency; Lawyers

Auctions

Auditing

See also Accounting; Bookkeeping

Audition *see* Hearing

Audubon societies

Augury *see* Divination

Augustinians

See also Monasticism

Auricular confession *see* Confession

Aurora borealis *see* Auroras

Auroras

See also Atmospheric electricity; Magnetism, Terrestrial

Auscultation

See also Diagnosis

Australian ballot

Austrian literature

See also German literature

Austrian succession, War of, 1740-1748

See also Austria — History; Europe — History — 1492-1789; France — History —

Refer from Geography; Maps

Refer from Air; Auroras; Electricity; Electricity, Atmospheric (s); Lightning; Meteorology

Refer from Air; Condensation; Meteorology; Nucleation, Atmospheric (s)

Refer from Atoms; Chemistry; Chemistry — History; Chemistry, Physical; Matter

Refer from Atoms; Chemical elements; Chemistry; Chemistry, Physical

Refer from Atomic theory; Chemistry; Chemistry, Physical; Matter; Molecules; Physics; Stereochemistry

Refer from Jesus Christ; Jesus Christ — Atonement (s); Sacrifice; Salvation; Theology

Refer from Assignments; Commercial law; Garnishment (s); Law; Liens; Property

Refer from Apperception; Concentration (s); Memory; Mental discipline; Psychology; Psychology, Educational; Thought and thinking

Refer from Business; Commerce; Sale

Refer from Accounting; Bookkeeping; Business; Commercial law; Finance

Refer from Birds — Protection

Refer from Monasticism; St. Augustine, Order of (s)

Refer from Atmospheric electricity; Aurora borealis (s); Magnetism, Terrestrial; Meteorology; Northern lights (s); Polar light (s); Zodiacal light

Refer from Chest; Diagnosis; Heart; Lungs

Refer from Ballot; Elections

Refer from German literature

Refer from Austria — History; Europe — History — 1492-1789; France — History —

- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-
- Authority (in religion)**
See also Belief; Bible — Evidences and authority; Catholic church — Authority; Faith; Popes — Authority and supremacy
- Authors**
See also Anonyms; Authorship; Bibliography; Copyright; Dramatists; Essayists; Historians; Humorists; Literature; Naturalists; Novelists; Poets; Pseudonyms; Scientists; Women as authors
- **American**
See also American literature; Poets, American
- Authorship**
See also Authors; Book dedication; Collaboration; Copyright; Journalism; Plagiarism; Plots (drama, novel, etc.); Short stories; Versification
- Autobiography**
- Autoboats *see* Motor boats
Autocars *see* Automobiles
- Autographs**
See also Manuscripts
- Automatism**
See also Consciousness
- Automobile racing**
Automobile stories
Automobile touring
- Automobiles**
See also Automobile racing; Automobile stories; Automobile touring; Garages; Motor cycles; Motors; Speed; Tires
- Automobiling *see* Automobile touring; Automobiles
- Autopsy**
- Autosuggestion *see* Suggestion
- Autumn**
See also Seasons
- Autumnal catarrh *see* Hay Fever
- Auxiliary schools**
See also Children, Abnormal and backward; Defectives
- Avalanches**
See also Landslides; Mountains
- Avarice**
See also Egoism; Misers
- Avesta**
See also Parsees; Zoroastrianism
- Aviation *see* Aeronautics
- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-; War of the Austrian succession (s)
- Refer from* Belief; Religion; Religious authority (s); Theology
- Refer from* Authorship; Biography; Dramatists; Essayists; Historians; Humorists; Literary men (s); Literature; Novelists; Poets; Writers (s)
- Refer from* American authors (s); American literature; U. S. — Biography
- Refer from* Authors; Copyright; Journalism; Literature; Writing; Writing for the press (s)
- Refer from* Biography; History; Memoirs (s)
- Refer from* Biography; Collectors and collecting; Handwriting (s); Signatures (s); Writing
- Refer from* Animal intelligence; Consciousness; Psychology
- Refer from* Automobiles; Racing (s); Sports
- Refer from* Automobiles; Fiction
- Refer from* Automobiles; Automobiling (s); Motoring (s); Voyages and travels
- Refer from* Autocars (s); Automobiling (s); Carriages; Cars; Electric carriages (s); Horseless carriages (s); Locomotion; Manufactures; Motor carriages (s); Motor vehicles (s); Motoring (s); Motors; Tires; Transportation; Vehicles
- Refer from* Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations (s); Surgery
- Refer from* Fall (s); Seasons
- Refer from* Children, Abnormal and backward; Defectives; Education; Schools
- Refer from* Landslides; Mountains; Snow
- Refer from* Conduct of life; Covetousness (s); Egoism; Ethics; Misers
- Refer from* Parsees; Persian literature; Sacred books; Zend-Avesta (s); Zoroastrianism

- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-
- Authority (in religion)**
See also Belief; Bible — Evidences and authority; Catholic church — Authority; Faith; Popes — Authority and supremacy
- Authors**
See also Anonyms; Authorship; Bibliography; Copyright; Dramatists; Essayists; Historians; Humorists; Literature; Naturalists; Novelists; Poets; Pseudonyms; Scientists; Women as authors
 — **American**
See also American literature; Poets, American
- Authorship**
See also Authors; Book dedication; Collaboration; Copyright; Journalism; Plagiarism; Plots (drama, novel, etc.); Short stories; Versification
- Autobiography**
- Autoboats *see* Motor boats
 Autocars *see* Automobiles
- Autographs**
See also Manuscripts
- Automatism**
See also Consciousness
- Automobile racing**
Automobile stories
Automobile touring
- Automobiles**
See also Automobile racing; Automobile stories; Automobile touring; Garages; Motor cycles; Motors; Speed; Tires
- Automobiling *see* Automobile touring; Automobiles
- Autopsy**
- Autosuggestion *see* Suggestion
- Autumn**
See also Seasons
 Autumnal catarrh *see* Hay Fever
- Auxiliary schools**
See also Children, Abnormal and backward; Defectives
- Avalanches**
See also Landslides; Mountains
- Avarice**
See also Egoism; Misers
- Avesta**
See also Parsees; Zoroastrianism
- Aviation *see* Aeronautics
- Bourbons; Germany — History — 1740-1815; Italy — History — 1559-1789; Spain — History — 1700-; War of the Austrian succession (s)
- Refer from* Belief; Religion; Religious authority (s); Theology
- Refer from* Authorship; Biography; Dramatists; Essayists; Historians; Humorists; Literary men (s); Literature; Novelists; Poets; Writers (s)
- Refer from* American authors (s); American literature; U. S. — Biography
- Refer from* Authors; Copyright; Journalism; Literature; Writing; Writing for the press (s)
- Refer from* Biography; History; Memoirs (s)
- Refer from* Biography; Collectors and collecting; Handwriting (s); Signatures (s); Writing
- Refer from* Animal intelligence; Consciousness; Psychology
- Refer from* Automobiles; Racing (s); Sports
- Refer from* Automobiles; Fiction
- Refer from* Automobiles; Automobiling (s); Motoring (s); Voyages and travels
- Refer from* Autocars (s); Automobiling (s); Carriages; Cars; Electric carriages (s); Horseless carriages (s); Locomotion; Manufactures; Motor carriages (s); Motor vehicles (s); Motoring (s); Motors; Tires; Transportation; Vehicles
- Refer from* Anatomy; Death; Dissection; Medical jurisprudence; Medicine; Pathology; Post-mortem examinations (s); Surgery
- Refer from* Fall (s); Seasons
- Refer from* Children, Abnormal and backward; Defectives; Education; Schools
- Refer from* Landslides; Mountains; Snow
- Refer from* Conduct of life; Covetousness (s); Egoism; Ethics; Misers
- Refer from* Parsees; Persian literature; Sacred books; Zend-Avesta (s); Zoroastrianism

Aviators *see* Aeronauts
Awards *see* Arbitration and award
Axioms

See also Geometry

Axles

See also Bearings (machinery); Wheels

Azimuth

See also Astronomy, Spherical and practical

Aztecs

See also Indians of Mexico; Mexico — Antiquities; Toltecs

Babies *see* Infants

Babism

See also Mohammedanism

Baby *see* Infants

Babylonian literature *see* Assyro-Babylonian literature

Baccalaureate sermons *see* College sermons

Bachelors

Bachelor's degrees *see* Degrees, Academic

Bacilli *see* Bacteriology; Germ theory of disease

Backbone *see* Spine

Backgammon

Backward children *see* Children, Abnormal and backward

Bacon-Shakespeare controversy *see* Shakespeare, William — Authorship

Bacon's rebellion, 1676

See also U. S. — History — Colonial period; Virginia — History

Bacteria *see* Bacteriology

Bacteriology

See also Dairy bacteriology; Dust; Fermentation; Germ theory of disease; Immunity; Microscope and microscopy; Putrefaction; Soil bacteriology; Water — Analysis

— **Agricultural**

See also Dairy bacteriology; Nitrification; Plants — Diseases; Soil bacteriology; *also* names of crops, subhead Diseases and pests, e.g. Fruit — Diseases and pests

Badges of honor *see* Decorations of honor; Insignia; Medals

Baggage

See also Packing for shipment

Bagpipes

See also Music — Scotland; Wind instruments

Bahaism *see* Babism

Bail

See also Arrest; Guaranties and sureties

Bailments

See also Agency; Baggage; Carriers; Commercial law; Liens; Negligence; Pawnbroking; Warehouses

Bakers and bakeries

See also Baking

Refer from Geometry; Mathematics; Philosophy; Truth

Refer from Wheels

Refer from Astronomy; Astronomy, Spherical and practical; Geodesy

Refer from Indians of Mexico; Mexico — Antiquities; Toltecs

Refer from Bahaism (s); Behaism (s); Mohammedanism; Religions

Refer from Celibacy; Men

Refer from Games

Refer from U. S. — History — Colonial period; Virginia — History

Refer from Bacilli (s); Bacteria (s); Biology; Botany; Contagion and contagious diseases; Disease germs (s); Dust; Fermentation; Fungi; Germ theory of disease; Germs (s); Medicine; Microbes (s); Micro-organisms (s); Microscope and microscopy; Parasites; Pathology; Putrefaction; Water — Analysis

Refer from Agricultural bacteriology (s); Agriculture; Dairy bacteriology; Plants — Diseases; Soil bacteriology; Soils

Refer from Bailments; Carriers; Luggage (s); Railroads — Baggage (s); Travel

Refer from Music — Scotland; Wind instruments

Refer from Arrest; Criminal law; Guaranties and sureties; Law

Refer from Agency; Carriers; Commercial law; Contracts; Guaranties and sureties; Law; Negligence; Pawnbroking; Warehouses

Refer from Baking; Food

Baking

See also Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry

Baking powder**Balance of power**

See also Eastern question (Near East); Europe — Politics; International relations

Balance of trade

See also Commerce; Tariff; Tariff question

Baldness

See also Hair

Balkan question *see* Eastern question (Near East)

Ball *see* Baseball; Basket-ball; Cricket; Football; Handball

Ball bearings *see* Bearings (machinery)

Ballads

See also Chapbooks; Folk songs; Legends; Lyric poetry; Poetry; Songs

—American

See also American poetry; Ballads, English; Songs, American

—English

See also Ballads, American; Ballads, Irish; Ballads, Scottish; English poetry; Songs, English

—Irish

See also Ballads, English; Irish poetry; Songs, Irish

—Scottish

See also Ballads, English; Scottish poetry; Songs, Scottish

Ballet

See also Dancing; Pantomime

Ballistics

See also Gunnery; Ordnance; Photochronograph; Projectiles; Shooting

Balloonists *see* Aeronauts

Balloons

See also Aeronautics; Airships

—Dirigible, *see* Airships

Ballot

See also Australian ballot; Elections; Suffrage; Voting machines

Balls (parties)

See also Cotillion; Dancing; Masquerades

Balustrades *see* Railings

Bamboo**Bandages and bandaging**

See also First aid in illness and injury; Surgery

Bandaging *see* Bandages and bandaging

Banditti *see* Brigands and robbers

Bands (music)

See also Conducting (music); Instrumentation and orchestration; Military music; Orchestras; Wind instruments

Refer from Bakers and bakeries; Bread; Cake; Cookery; Ovens; Pastry

Refer from Chemistry, Technical; Cookery

Refer from Eastern question (Near East); Europe — Politics; International relations

Refer from Commerce; Economics; Exchange; Tariff; Tariff question; Trade, Balance of (s)

Refer from Hair; Head

Refer from Carols; Chapbooks; Folk songs; Legends; Literature; Lyric poetry; Poetry; Songs

Refer from American ballads (s); American literature; American poetry; American songs (s); Ballads, English; Songs, American

Refer from Ballads, American; Ballads, Irish; Ballads, Scottish; English ballads (s); English literature; English poetry; English songs (s); Songs, English

Refer from Ballads, English; Irish ballads (s); Irish literature; Irish poetry; Irish songs (s); Songs, Irish

Refer from Ballads, English; Scotch ballads (s); Scottish ballads (s); Scottish literature; Scottish poetry; Scottish songs (s); Songs, Scottish

Refer from Dancing; Pantomime; Theater

Refer from Gunnery; Ordnance; Photochronograph; Projectiles; Shooting

Refer from Aeronautics; Airships

Refer from Elections; Government; Politics; Short ballot (s); Suffrage; Voting (s)

Refer from Amusements; Cotillion; Dancing; Entertaining; Masquerades; Parties (s)

Refer from Furniture; Grasses; Woodwork

Refer from Bandaging (s); First aid in illness and injury; Surgery

Refer from Conducting (music); Instrumental music; Military music; Music; Orchestras; Wind instruments



Bandy *see* Hockey
Banishment *see* Exile; Penal colonies
Bank deposit guaranty *see* Banks and banking
— Guaranty of deposits

Bank notes

See also Banks and banking; Counterfeits; Legal tender; Paper money

Bankers

Banking *see* Banks and banking

Bankruptcy

See also Assignments; Commercial law; Debt; Receivers

Banks and banking

See also Agricultural credit; Bank notes; Bankers; Building and loan associations; Checks; Clearing houses; Credit; Discount; Economics; Exchange; Finance; Foreign exchange; Interest; Land banks; Money; National banks; Pawnbroking; Postal savings banks; Savings banks; School savings banks; Stock exchange; Stocks; Trust companies; Vaults; *also* names of cities, subhead Banks

—Guaranty of deposits

—Law

—U. S.

See also National banks

Banners *see* Flags

Banquets *see* Dinners and dining

Baptism

See also Baptismal fonts; Baptists; Close communion; Jesus Christ — Baptism; Regeneration (theology); Sacraments

—Infants

See also Infant salvation; Predestination

Baptismal fonts

See also Church furniture

Baptists

See also Anabaptists; Baptism; Close communion; Congregationalism; German Baptist brethren; Mennonites; Seventh-day Baptists

Bar *see* Lawyers

Barbarian invasions of Rome

See also Goths; Huns; Italy — History — To 1559; Migration of nations; Rome — History — Empire; Vandals

Barbary corsairs *see* Pirates

Barbed wire *see* Fence wire

Barbizon school

See also Painting, French

Bards

See also Celtic literature; Meistersingers; Minnesingers; Minstrels; Troubadours; Trouvères

Refer from Banks and banking; Counterfeits; Engraving; Money; National bank notes (s); National banks; Paper money

Refer from Banks and banking; Biography

Refer from Assignments; Commerce; Commercial law; Corporations; Debt; Failure (in business) (s); Finance; Insolvency (s); Law; Partnership; Receivers

Refer from Agricultural banks (s); Bank notes; Banking (s); Bills of credit (s); Bills of exchange (s); Bimetallism; Capital; Checks; Clearing houses; Commerce; Credit; Discount; Economics; Finance; Government banking (s); Interest; Investments; Land banks; Money; National banks; Paper money; Savings banks; Stock exchange; Trust companies; Wealth

Refer from Bank deposit guaranty (s); Guaranty of bank deposits (s)

Refer from Commercial law

Refer from Money — U. S.; National banks; State banks (s); U. S. — Banks (s)

Refer from Baptists; Christening (s); Christian antiquities; Church membership; Church polity; Immersion, Baptismal (s); Regeneration (theology); Rites and ceremonies; Sacraments; Theology

Refer from Infant baptism (s); Infant salvation

Refer from Baptism; Church furniture; Fonts (s)

Refer from Anabaptists; Baptism; Close communion; Congregationalism; Sects

Refer from Goths; Huns; Italy — History — To 1559; Invasions of Rome, Barbarian (s); Migration of nations; Rome — History — Empire; Vandals

Refer from Landscape painting; Painting, French

Refer from Celtic literature; Minstrels; Poetry; Poets

Bark
See also Botany, Structural; Trees; Wood

Barley
See also Grain

Barns and stables
See also Farm buildings; Garages; Horse

Barometer
See also Meteorological instruments

Baronage *see* Peerage

Baronetage *see* Peerage

Barons' war, 1263-1267
See also England — History — Plantagenets

Barracks
See also Military architecture

Barrels *see* Cooperage

Barristers *see* Lawyers

Barrows *see* Mounds and mound builders

Bartholomew, St., Massacre of, *see* St. Bartholomew's day, Massacre of

Bas-relief
See also Carving (art industries); Sarcophagi; Sculpture; Wood carving

Baseball
See also College athletics

Basilicas
See also Architecture; Church architecture

Basket-ball
See also College athletics

Basket making *see* Basketwork

Basketry *see* Basketwork

Basketwork
See also Indians — Industries

Basques

Bat *see* Bats

Bathing *see* Baths and bathing

Baths, Public

Baths and bathing
See also Baths, Public; Diving; Hydrotherapy; Swimming

Batrachia *see* Amphibia

Bats
See also Mammals

Batteries (electric) *see* Electric batteries; Storage batteries

Batteries (military) *see* Artillery

Battle, Wager of, *see* Wager of battle

Battle cries

Battle-ships *see* Warships

Battle-songs *see* War songs

Battlefield relief
See also First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Surgery, Military

Refer from Botany, Structural; Trees; Wood

Refer from Grain

Refer from Architecture; Cattle; Domestic animals; Farm buildings; Horse; Live stock; Stables (s)

Refer from Air; Aneroid barometer (s); Meteorological instruments; Physics; Surveying instruments

Refer from England — History — Plantagenets

Refer from Military architecture

Refer from Carving (art industries); Decoration and ornament; Sculpture

Refer from Ball (s); College athletics; Games; School athletics

Refer from Architecture; Church architecture

Refer from Ball (s); College athletics; Games; School athletics

Refer from Arts and crafts; Basket making (s); Basketry (s); Domestic arts; Indians — Industries; Manual training; Weaving

Refer from Ethnology — France; Ethnology — Spain; France — History

Refer from Architecture; Baths and bathing; Municipal improvement; Public baths (s)

Refer from Archaeology; Bathing (s); Cleanliness; Hydrotherapy; Hygiene; Sea bathing (s); Seashore; Swimming; Therapeutics; Toilet; Turkish baths (s); Water

Refer from Bat (s); Chiroptera (s); Chiroptera (s); Mammals

Refer from Cries (s); War cries (s); Yells

Refer from First aid in illness and injury; Hospitals, Military; Medicine, Military; Military hygiene; Red cross; Relief work (s); Surgery, Military

Battles

See also Imaginary wars and battles; Massacres; Military history; Naval battles; Sieges; *also* names of battles, e.g. Gettysburg, Battle of; Waterloo, Battle of; and names of generals, wars, etc.

Battleships *see* Warships

Bayeux tapestry**Bayonets**

See also Arms and armor

Bays and gulfs**Beaches**

See also Dunes; Physical geography; Seashore

Beacons

See also Lighthouses

Beads

See also Beadwork; Rosary; Wampum

Beadwork

See also Beads; Indians — Industries

Beams *see* Girders

Bear *see* Bears

Bearing reins *see* Checkreins

Bearings (machinery)

See also Friction; Lubrication and lubricants; Machine design

Bears

See also Carnivora

Beasts *see* Animals; Bestiaries; Domestic animals; Zoology

Beasts of prey *see* Carnivora

Beatitudes

See also Bible — New Testament — Matthew; Sermon on the mount

Beautiful, The, *see* Esthetics

Beauty *see* Beauty, Personal; Esthetics

Beauty, Personal

See also Cosmetics; Costume; Hair; Hand; Skin; Teeth; Toilet

Beaux *see* Dandies

Becquerel rays *see* Radioactivity

Bedouins

See also Arabia; Arabs; Nomads

Beds

See also Furniture

Bee *see* Bees

Beef

See also Meat; Packing industry

Beer

See also Ale; Brewing; Liquors; Malt

Bees

See also Honey; Hymenoptera; Wax

Beet *see* Beets and beet sugar

Beet sugar *see* Beets and beet sugar

Beetles

See also Insects; Scarabs; Weevils

Beets and beet sugar

See also Sugar; Vegetables

Refer from History; Military art and science; Military history; Naval battles; Sieges; War

Refer from Tapestry

Refer from Arms and armor; Guns

Refer from Gulfs (s); Physical geography

Refer from Geology; Physical geography; Seashore

Refer from Life-saving; Lighthouses; Navigation; Signals

Refer from Beadwork; Jewelry

Refer from Arts and crafts; Beads; Fancy work; Indians — Industries; Needlework; Weaving

Refer from Axles; Ball bearings (s); Friction; Journals (machinery) (s); Lubrication and lubricants; Machine design; Machinery

Refer from Bear (s); Carnivora; Hunting; Ursidae (s)

Refer from Bible; Bible — New Testament — Matthew; Sermon on the mount

Refer from Beauty (s); Complexion (s); Cosmetics; Face; Hygiene; Personal beauty (s); Toilet; Women

Refer from Arabia; Arabs; Nomads

Refer from Furniture

Refer from Cattle; Meat; Packing industry

Refer from Ale; Brewing; Liquors; Malt

Refer from Agriculture; Apiaries (s); Apiculture (s); Bee (s); Honey; Hymenoptera

Refer from Coleoptera (s); Insects; Insects, Injurious and beneficial; Weevils

Refer from Beet (s); Beet sugar (s); Sugar; Sugar beet (s); Vegetables

Begging

See also Charity; Poor; Tramps

Behaism *see* Babism

Behavior *see* Conduct of life; Etiquet

Being

See also Metaphysics; Reality

Belgian hares

See also Hares

Belief

See also Agnosticism; Authority (in religion); Certainty; Creeds; Faith; Rationalism; Religions; Sects; Skepticism; Truth

Bell buoys *see* Buoys

Bell founding *see* Bells

Belles-lettres *see* Literature

Bells

See also Chimes and chiming; Electric bells

Belting

See also Machine design; Power transmission; Pulleys; Rope driving; Shafting

Benedictines

See also Cistercians; Monasticism

Benefit of clergy**Benefit societies**

See also Building and loan associations; Insurance, Industrial; Insurance, Life; Labor unions; Odd Fellows; Secret societies

Benevolence *see* Altruism; Charity; Philanthropy; Poor

Benevolent societies *see* Benefit societies; Charitable societies

Bengali language

See also Indo-Aryan languages

Bequests *see* Gifts; Inheritance; Legacies; Wills

Berbers

See also Barbary States; Hamites

Berries

See also Fruit; *also* names of berries, e.g. Strawberries

Bertillon system

See also Anthropometry; Finger prints; Identification

Bessemer process

See also Steel

Best books *see* Books and reading — Best books

Bestiaries

See also Animal lore

Béton *see* Concrete

Betterment, Industrial, *see* Industrial betterment

Refer from Mendicity (s); Poor; Tramps

Refer from Infinite; Metaphysics; Ontology (s); Philosophy; Reality

Refer from Hares; Rabbits

Refer from Authority (in religion); Certainty; Conviction (s); Doubt (s); Faith; Intellect; Knowledge; Metaphysics; Opinion (s); Philosophy; Psychology; Religion; Religious belief (s); Theology; Truth

Refer from Archaeology; Bell founding (s); Campanology (s); Chimes and chiming; Church bells (s); Ringing (s)

Refer from Chain belting (s); Machine design; Machinery; Power transmission; Pulleys; Rope driving; Shafting

Refer from Cistercians; Monasticism

Refer from Church law; Church polity; Clergy; Law

Refer from Benevolent societies (s); Building and loan associations; Cooperation; Fraternal insurance (s); Fraternities, Benevolent (s); Friendly societies (s); Insurance; Insurance, Fraternal (s); Insurance, Industrial; Insurance, Life; Labor and laboring classes; Labor unions; Mutual aid societies (s); Mutual benefit societies (s); Secret societies; Societies; Thrift

Refer from Indo-Aryan languages

Refer from Barbary States; Ethnology — Africa; Hamites

Refer from Fruit; Small fruit (s); Strawberries

Refer from Anthropometry; Crime and criminals; Finger prints; Identification

Refer from Steel

Refer from Animal lore; Beasts (s); Fables; Literature

Betterments *see* Real estate; Single tax;
Unearned increment

Betting

See also Gambling; Probabilities

Bevel gearing *see* Gearing

Beverages

See also Chocolate; Cider; Cocoa; Coffee;
Drinking customs; Food; Liquors, and names
of liquors; Milk; Mineral waters; Stimu-
lants; Tea; Temperance; Water

Bezique

See also Cards

Bhang *see* Hashish

Bible

Text, arranged alphabetically by lan-
guage, the English translations arranged
chronologically

— **Selections** [from both Old and New
Testaments]

Bible [as subject]

See also Angels; Apostles; Beatitudes;
Bible and science; Bible in the schools;
Bible societies; Christianity; Church history;
Commandments; Creation; Deluge; Fall
of man; God; Jesus Christ; Jews; Lord's
prayer; Miracles; Parables; Patriarchs;
Prophets; Religion and science; Revelation;
Saints; Sermon on the mount; Theology

— Animals, *see* Bible — Natural history

— **Antiquities**

See also Bible — History; Christian
antiquities; Jews — Antiquities; Pale-
stine — Antiquities

— **Astronomy**

— Authenticity, *see* Bible — Evidences and
authority

— Authorship, *see* Bible — Evidences and
authority

— **Bibliography**

See also Bible — Manuscripts; Bible —
Versions

— **Biography**

See also Bible — History; Saints

— Birds, *see* Bible — Natural history

— Botany, *see* Bible — Natural history

— **Canon**

See also Bible — Evidences and au-
thority; Bible — Inspiration

— Catechisms, *see* Bible — Question books;
Catechisms

— **Chronology**

See also Bible — History

— Coins, *see* Bible — Numismatics

— Colportage, *see* Bible — Publication and
distribution

— **Commentaries** [with or without text.
Commentaries with text should be
entered also with texts of the Bible]

See also Bible — Criticism and inter-
pretation; *also* names of separate books
and parts of the Bible

Refer from Book-making (betting) (s);
Bookmaking (betting) (s); Gambling; Sports;
Wagers (s)

Refer from Chocolate; Cider; Cocoa; Coffee;
Diet; Drinks (s); Food; Liquors; Manufac-
tures; Mineral waters; Stimulants; Tea; Tem-
perance

Refer from Cards

Refer from Christianity; Church history;
God; Holy Scriptures (s); Jesus Christ;
Jewish literature; Jews; Religion; Revelation;
Sacred books; Scriptures (s); Theology

Refer from Archaeology; Bible — History;
Biblical archaeology (s); Christian antiquities;
Jews — Antiquities; Palestine — Antiquities

Refer from Astronomy; Bible — Science

Refer from Bible — History; Biography;
Saints

Refer from Bible — Criticism and interpre-
tation; Bible — Evidences and authority;
Bible — Inspiration; Canon (Bible) (s)

Refer from Bible — History; Chronology,
Biblical (s); Chronology, Historical

Refer from Bible — Criticism and interpre-
tation; Commentaries (s)

Bible—Continued

—Concordances

—Credibility, see Bible — Evidences and authority

—Criticism and interpretation

See also Bible — Canon; Bible — Commentaries; Bible — Evidences and authority; Modernism

—Dictionaries

—Distribution, see Bible — Publication and distribution

—Editions, see Bible — Versions

—Ethnology

See also Hittites; Jews — Ethnology; Jews — Lost tribes

—Evidences and authority

See also Bible — Canon; Bible — Inspiration; Christianity — Evidences

—Geography

See also Palestine — Description and travel

—Hermeneutics, see Bible — Criticism and interpretation

—Higher criticism, see Bible — Criticism and interpretation

—History

See also Bible — Antiquities; Bible — Biography; Bible — Chronology; Bible — Stories; Bible — Old Testament — Historical books; Jews — History; Palestine — History. For history of editions and versions *see* Bible — Versions

—Illustrations, see Bible — Pictorial illustrations

—Inspiration

See also Bible — Canon; Bible — Evidences and authority

—Interpretation, see Bible — Criticism and interpretation

—Introductions

—Language, style, etc., see Bible — Literary character

—Literary character

—Literary history, see Bible — Versions

—Manuscripts

—Medicine, hygiene, etc.

—Miscellaneous

—Money, see Bible — Numismatics

—Music

See also Music — Jews

—Natural history

—Numismatics

Refer from Concordances (s)

Refer from Bible — Commentaries; Bible — Hermeneutics (s); Bible — Higher criticism (s); Bible — Interpretation (s); Bible — Textual criticism (s); Criticism; Exegesis (s); Hermeneutics (s); Higher criticism (s)

Refer from Ethnology; Jews — Ethnology

Refer from Authority (in religion); Bible — Authenticity (s); Bible — Authorship (s); Bible — Canon; Bible — Credibility (s); Bible — Criticism and interpretation; Bible — Inspiration; Christianity — Evidences; Evidences of the Bible (s)

Refer from Atlases; Geography, Ancient; Geography, Biblical (s); Palestine — Description and travel

Refer from Bible — Antiquities; Bible — Biography; Bible — Chronology; History, Ancient; Jews — History; Palestine — History; Sacred history (s)

Refer from Bible — Canon; Bible — Evidences and authority; Inspiration

Refer from Bible — Language, style, etc. (s); Bible — Poetry (s); Bible as literature (s); Literature

Refer from Bible — Bibliography; Bible — Versions

Refer from Hygiene; Medicine

Refer from Church music; Music; Music — Jews

Refer from Bible — Animals (s); Bible — Birds (s); Bible — Botany (s); Bible — Science; Botany of the Bible (s); Natural history

Refer from Bible — Coins (s); Bible — Money (s); Numismatics

Bible — Continued

—Paraphrases

—Pictorial illustrations

See also Names of Bible characters and Biblical subjects, e.g. Jesus Christ in art

—Poetry *see* Bible — Old Testament — Poetical books; Bible — Literary character

—Prophecies

See also Bible — Old Testament — Prophetical books; Prophets

—Psychology

—Publication and distribution

See also Bible societies

—Question books

See also Catechisms

—Revision

See also Bible — Versions

—Science

See also Bible — Astronomy; Bible — Natural history

—Stories

—Study and teaching

See also Sunday school lessons; Sunday schools

—Textual criticism, *see* Bible — Criticism and interpretation

—Theology, *see* Theology

—Translations, *see* Bible — Versions

—Versions

See also Bible — Manuscripts; Bible — Revision

Bible — Old Testament

Subdivided like the Bible. The books are arranged here in canonical order, in accordance with the A. L. A. rule. Alphabetical arrangement under Bible — Old Testament and Bible — New Testament may be adopted by libraries which find it more convenient. Reference should be made from the name of each book in the main alphabet

See also Talmud

—Historical books

—Octateuch

—Hexateuch

—Pentateuch

—Poetical books

—Prophetical books

—Genesis

See also Creation; Deluge; Eden; Fall of man; Patriarchs

—Exodus

See also Commandments

Refer from Bible — Illustrations (s); Christian art and symbolism

Refer from Prophecies; Prophets

Refer from Biblical psychology (s); Psychology, Biblical (s)

Refer from Bible — Colportage (s); Bible — Distribution (s); Bible houses (s); Bible societies; Colportage (s); Missions; Tract societies

Refer from Bible — Catechisms (s); Catechisms; Sunday school lessons

Refer from Bible — Versions; Revision of the Bible (s)

Refer from Bible — History; Bible stories (s)

Refer from Bible classes (s); Bible study (s); Religious education · Sunday school lessons; Sunday schools

Refer from Bible — Bibliography; Bible — Editions (s); Bible — History; Bible — Literary history (s); Bible — Revision; Bible — Translations (s)

Refer from Hebrew literature; Jews — Religion; Old Testament (s)

Refer from Bible — History

Refer from Octateuch (s)

Refer from Hexateuch (s)

Refer from Pentateuch (s)

Refer from Bible — Poetry (s); Hebrew poetry

Refer from Bible — Prophecies

Refer from Creation; Deluge; Eden; Fall of man; Patriarchs

Refer from Commandments

Bible — Old Testament — Continued

— **Leviticus**
 See also Mosaic law
 — **Numbers**
 — **Deuteronomy**
 See also Mosaic law
 — **Joshua**
 — **Judges**
 — **Ruth**
 — **Samuel 1, 2**
 — **Kings 1, 2**
 — **Chronicles 1, 2**
 — **Ezra**
 — **Nehemiah**
 — **Esther**
 — **Job**
 — **Psalms**
 — **Proverbs**
 — **Ecclesiastes**
 — **Song of Solomon**
 — **Isaiah**
 — **Jeremiah**
 — **Lamentations**
 — **Ezekiel**
 — **Daniel**
 — **Hosea**
 — **Joel**
 — **Amos**
 — **Obadiah**
 — **Jonah**
 — **Micah**
 — **Nahum**
 — **Habakkuk**
 — **Zephaniah**
 — **Haggai**
 — **Zechariah**
 — **Malachi**
 — **Apocrypha**
 — **Esdras**
 — **Tobit**
 — **Judith**
 — **Wisdom of Solomon**
 — **Ecclesiasticus**
 — **Baruch**
 — **Song of the three children**
 — **Susanna**
 — **Bel and the dragon**
 — **Prayer of Manasses**
 — **Maccabees 1, 2, 3, 4**
 — Other apocryphal books in alphabetic
 order, as: Adam, Enoch, Jasher

Refer from Mosaic law

Refer from Mosaic law

Refer from Psalmody (s); Psalter (s)

Refer from Proverbs

Refer from Canticles (s)

Refer from Apocrypha (s)

Bible — New Testament [see note under Old Testament]

See also Apostles; Church history —
 Early church — Apostolic; Jesus Christ
 — **Gospels**
 See also Jesus Christ; Jesus Christ —
 Teaching; Parables
 — **Harmonies**
 — **Epistles**
 — **Matthew**
 See also Beatitudes; Lord's prayer;
 Sermon on the mount
 — **Mark**
 — **Luke**
 See also Lord's prayer

Refer from Apostles; Church history —
 Early church — Apostolic; Evangelists (s);
 Jesus Christ; New Testament (s)

Refer from Gospels (s); Jesus Christ —
 Teaching; Parables; Synoptic Gospels (s)

Refer from Harmony of the Gospels (s)

Refer from Pauline epistles (s)

Refer from Beatitudes; Lord's prayer;
 Sermon on the mount

Refer from Lord's prayer

Bible—New Testament—Continued

—John
—Acts
—Romans
—Corinthians 1, 2
—Galatians
—Ephesians
—Philippians
—Colossians
—Thessalonians 1, 2
—Timothy 1, 2
—Titus
—Philemon
—Hebrews
—James
—Peter 1, 2
—Epistles of John
—Jude
—Revelation

See also Apocalyptic literature

—**Apocryphal books**

See also Apostolic constitutions

Bible and science

See also Religion and science

Bible as literature *see* Bible — Literary character

Bible classes *see* Bible — Study and teaching; Sunday schools

Bible houses *see* Bible — Publication and distribution

Bible in the schools

See also Church and education; Public schools and religion

Bible societies

See also Bible — Publication and distribution

Bible stories *see* Bible — Stories

Bible study *see* Bible — Study and teaching

Biblical archaeology *see* Bible — Antiquities

Biblical psychology *see* Bible — Psychology

Biblical theology *see* Theology

Bibliography

See also Anonyms; Archives; Book books; Book collecting; Book rarities; Bookbinding; Bookplates; Books; Books and reading; Cataloging; Catalogs; Catalogs, Library; Classification; Errors and blunders; Literary; Incunabula; Indexes; Indexing; Libraries; Literature; Manuscripts; Periodicals — Indexes; Pseudonyms; Reference books; Titles of books; *also* names of literatures, as American literature, and names of persons, places and subjects, subhead Bibliography

—Best books, *see* Books and reading — Best books

—Rare books, *see* Book rarities

Bibliomania *see* Book collecting

Bibliophily *see* Book collecting

Bicycles and tricycles

See also Cycling; Motor cycles; Tires

Refer from Apocalypse (s); Apocalyptic literature

Refer from Apocryphal books (New Testament) (s); Church history — Early church

Refer from Bible; Geology and the Bible (s); Religion and science; Science and the Bible (s)

Refer from Bible; Church and education; Education; Public schools; Public schools and religion; Religious education

Refer from Bible; Bible — Publication and distribution; Societies

Refer from Authors; Books; Books and reading; Catalogs; Catalogs, Library; Libraries; Library science; Literary history (s); Literature

Refer from Cycling; Tricycles (s); Velocipedes (s)

Bicycling *see* Cycling
 Big game *see* Game; Hunting
 Bill-boards *see* Billposting
 Bill-posting *see* Billposting
 Billboards *see* Billposting
 Billiards
 Billposting

See also Advertising; Posters

Bills of credit *see* Banks and banking; Credit;
 Money; Paper money
 Bills of exchange *see* Banks and banking;
 Credit; Exchange; Money; Paper money
 Bills of fare *see* Menus

Bimetallism

See also Banks and banking; Coinage;
 Finance; Gold (as money); Money; Precious
 metals; Silver (as money)

Binders *see* Harvesting machinery

Binding *see* Bookbinding

Biograph *see* Moving pictures

Biography

See also Abolitionists; Actors; Aeronauts;
 Anecdotes; Archaeologists; Architects;
 Artists; Authors; Autobiography; Auto-
 graphs; Bankers; Bible — Biography; Book-
 sellers and bookselling; Brigands and rob-
 bers; Capitalists and financiers; Chancellors,
 Lord; Chief justices; Christian biography;
 Classical biography; Clergy — Biography;
 Conjurors; Crime and criminals; Dentists;
 Diplomatic memoirs; Diplomats; Educa-
 tors; Electricians; Emperors; Engineers;
 Engravers; Epitaphs; Executioners; Ex-
 plorers; Genealogy; Governors; Heraldry;
 Hermits; Heroes; Historians; History;
 Humorists; Indians — Biography; Inven-
 tors; Judges; Kings and rulers; Lawyers;
 Librarians; Loyalists, American; Manufac-
 turers; Mechanics (persons); Merchants;
 Military biography; Millionaires; Ministers
 of state; Musicians; Naturalists; Naval
 biography; Obituaries; Orators; Peerage;
 Pharmacists; Philanthropists; Philoso-
 phers; Physicians and surgeons; Pilgrim
 fathers; Popes — Biography; Portraits;
 Presidents; Princes and princesses; Printers;
 Prophets; Queens and empresses; Reform-
 ers; Regicides; Scientists; Shoemakers;
 Statesmen; Table-talk; Tailors; Teachers;
 Thieves; Travelers; Women — Biography;
also names of countries and cities, subhead
 Biography

Biological chemistry *see* Physiological chemis-
 try

Biological laboratories

Biology

See also Acclimatization; Adaptation
 (biology); Anatomy; Bacteriology; Bio-
 logical laboratories; Botany; Cells; Color
 of animals; Color of plants; Death; Ecology;
 Electrophysiology; Embryology; Enzymes;
 Evolution; Heredity; Hermaphroditism;
 Hybridization; Hygiene; Irritability; Kar-
 yokinesis; Life — Origin; Longevity; Marine

Refer from Games

Refer from Advertising; Bill-boards (s);
 Bill-posting (s); Billboards (s); Municipal
 improvement; Posters

Refer from Coinage; Finance; Gold (as
 money); Joint standard (s); Money; Silver
 (as money)

Refer from Contemporaries (s); Genealogy;
 History; Lives (s); Memoirs (s)

Refer from Biology; Laboratories

Refer from Botany; Cells; Death; Embry-
 ology; Evolution; Heredity; Life; Life —
 Origin; Morphology; Natural history; Philos-
 ophy; Physiology; Protoplasm; Regeneration
 (biology); Reproduction; Science; Zoology

biology; Metabolism; Microscope and microscopy; Mimicry (biology); Morphology; Natural history; Parasites; Parthenogenesis; Physiology; Plankton; Protoplasm; Regeneration (biology); Reproduction; Sex; Species; Spontaneous generation; Variation (biology); Vitalism; Zoology.

Biomagnetism *see* Animal magnetism

Bionomics *see* Ecology

Bioplasm *see* Protoplasm

Biplanes *see* Aeroplanes

Bird day

Bird-song *see* Birds — Song

Birds

See also Bird day; Birds' eggs; Cage birds; Falconry; Feathers; Flight; Game birds; Nests; Poultry; Taxidermy; Vertebrates; Water birds; Wings; *also* names of birds, e. g. Canaries, Eagles, Ostriches, Parrots, Pigeons, Robins, Sparrows

— **Fossil**

— **Migration**

See also Animals — Migration

— **Protection**

See also Audubon societies; Game laws; Game protection

— **Song**

— **Stories**

— **U. S.**

— **Useful and injurious**

Birds and agriculture *see* Birds, Useful and injurious

Birds' eggs

See also Birds

Birds' nests *see* Nests

Birth rate

See also Vital statistics

Birth records *see* Vital records

Birth stones

Birthday books

Birthdays

See also Anniversaries; Birthday books

Bishops

See also Apostolic succession; Archbishops; Catholic church — Clergy; Church of England — Clergy; Church polity; Episcopacy; Methodist Episcopal church — Clergy; Ordination; Protestant Episcopal church in the U. S. — Clergy

Bison

See also Ungulata

Bites, Venomous, *see* Venom

Bitumen *see* Asphalt

Bituminous coal *see* Coal

Bivalves

See also Mollusks; Oysters

Black art *see* Witchcraft

Refer from Birds; Holidays

Refer from Animals; Birds' eggs; Canaries; Eagles; Flight; Nature study; Nests; Ornithology (s); Ostriches; Parrots; Pigeons; Robins; Sparrows; Vertebrates; Water birds; Wings; Zoology

Refer from Paleontology

Refer from Animals — Migration; Migration of birds (s)

Refer from Protection of birds (s)

Refer from Bird-song (s); Song of birds (s)

Refer from Animals — Stories

Refer from U. S. — Birds (s); U. S. — Ornithology (s); Zoology — U. S.

Refer from Agricultural pests; Agriculture; Birds and agriculture (s); Zoology, Economic

Refer from Birds; Eggs; Nests; Oology (s)

Refer from Children; Population; Vital statistics

Refer from Charms; Natal stones (s); Precious stones

Refer from Birthdays

Refer from Anniversaries; Days

Refer from Apostolic succession; Archbishops; Catholic church — Biography; Catholic church — Clergy; Christian biography; Church of England — Biography; Church of England — Clergy; Episcopacy; Methodist Episcopal church; Protestant Episcopal church in the U. S. — Clergy.

Refer from Buffalo, American (s); Ungulata

Refer from Acephala (s); Lamellibranchiata (s); Mollusks; Oysters

Black death

See also London — Epidemics; Plague

Black Hawk war, 1832

See also Illinois — History; Indians — Wars; U. S. — History — 1815-1861

Black lead *see* Graphite**Blackfoot Indians**

See also Algonquian Indians

Blacking**Blacklisting**

See also Boycott; Employers' associations

Blacksmithing

See also Forging; Horseshoeing; Ironwork; Welding

Blankets

See also Indians — Industries

Blast furnaces

See also Blowing engines; Cast iron; Cupola furnaces; Slag

Blasting

See also Explosives; Mines, Military; Mining engineering; Quarries and quarrying

Bleaching

See also Cleaning; Drying; Dyes and dyeing

Bleeding *see* Bloodletting; Hemorrhage**Blind**

See also Color blindness; Defectives

—Asylums and education**—Books for the****Blindness** *see* Blind**Blizzards** *see* Storms**Block books**

See also Printing; Wood engraving

Block signal system *see* Railroads — Signals**Blockade**

See also International law; Neutrality

Blood

See also Arteries; Blood vessels; Bloodletting; Heart; Hemorrhage; Physiological chemistry; Physiology; Sphygmograph; Veins

Blood vessels

See also Arteries; Blood; Heart; Vascular system; Veins

Bloodletting

See also Cupping

Blowers *see* Fans, Mechanical**Blowing engines**

See also Blast furnaces

Refer from Contagion and contagious diseases; England — History — Plantagenets; Epidemics; London — Epidemics; Medicine — Practice; Plague

Refer from Illinois — History; Indians — Wars; U. S. — History — 1815-1861

Refer from Algonquian Indians

Refer from Boots and shoes; Leather

Refer from Boycott; Employers' associations; Labor laws; Labor unions; Strikes and lock-outs

Refer from Forge work (s); Forging; Horseshoeing; Industrial arts; Ironwork

Refer from Indians — Industries; Textile industry and fabrics; Weaving

Refer from Blowing engines; Furnaces; Iron; Metallurgy; Slag; Smelting; Tuyeres (s)

Refer from Civil engineering; Engineering; Explosives; Mines, Military; Mining engineering; Quarries and quarrying; Stone; Tunnels

Refer from Cleaning; Dyes and dyeing; Textile industry and fabrics

Refer from Blindness (s); Defectives; Eye; Eye — Diseases and defects; Sight

Refer from Asylums; Charities; Charities, Medical; Education; Homes (institutions) (s)

Refer from Books for the blind (s)

Refer from Bibliography; Books; Incunabula; Printing; Wood engraving; Xylography (s)

Refer from International law; Naval art and science; Neutrality; War

Refer from Arteries; Blood vessels; Circulation of the blood (s); Hæmatology (s); Heart; Hematology (s); Pathology; Physiological chemistry; Physiology; Vascular system; Veins

Refer from Arteries; Blood; Heart; Vascular system; Veins

Refer from Bleeding (s); Blood; Cupping; Hemorrhage; Phlebotomy (s); Surgery; Therapeutics; Venesection (s)

Refer from Blast furnaces; Engines; Mechanical draft

Blowpipe

See also Assaying; Chemistry — Analysis; Mineralogy; Welding

Blue glass cure *see* Phototherapy

Blue language *see* Bolak

Blue laws**Blue prints**

See also Photography — Printing processes

Blunders

See also Anecdotes; Errors, Popular; Errors and blunders, Literary

Boarding schools *see* Private schools

Boards of health *see* Health boards

Boards of trade

See also under names of cities

Boat building *see* Boats and boating; Shipbuilding; Yachts and yachting

Boating *see* Boats and boating

Boats and boating

See also Aquatic sports; Canal boats; Canoes and canoeing; Fire boats; House boats; Ice boats; Lifeboats; Motor boats; Navigation; Rowing; Sailing; Ships; Skipjacks; Steam launches; Submarine boats; Torpedo boats; Yachts and yachting

Body, Human, *see* Anatomy; Physiology

Body and mind *see* Mind and body

Boer war, 1899–1902, *see* South African war, 1899–1902

Boers

See also South African war, 1899–1902; Transvaal

Bog fuel *see* Briquets; Peat

Bogs *see* Marshes

Bohemian brethren *see* Moravians

Bohemian language

See also Slavic languages

Bohemian literature

See also Slavic literature

Bohemianism**Bohemians in the U. S.**

See also Slavs in the U. S.

Boiler explosions**Boiler scale**

See also Feed water

Boiler tests *see* Boilers — Testing

Boilers

See also Boiler explosions; Boiler scale; Feed water; Fuel; Injectors; Safety valves; Steam; Steam engines

— Marine

See also Marine engineering; Marine engines

— Testing

Refer from Analysis (chemistry) (s); Assaying; Chemical apparatus; Chemistry — Analysis; Metals; Mineralogy; Welding

Refer from Connecticut — Law; Law; Puritans

Refer from Architectural drawing; Cyanotype (s); Photography; Photography — Printing processes

Refer from Anecdotes; Errors, Popular; Errors and blunders, Literary; Mistakes (s)

Refer from Business; Chambers of commerce (s); Commerce; Trade, Boards of (s)

Refer from Aquatic Sports; Boat building (s); Boating (s); Canoes and canoeing; Locomotion; Navigation; Rowing; Sailing; Shipbuilding; Ships; Sports; Yachts and yachting

Refer from Transvaal

Refer from Czechic language (s); Slavic languages

Refer from Czechic literature (s); Slavic literature

Refer from Artists; City life; Manners and customs

Refer from Slavs in the U. S.; U. S.— Foreign population

Refer from Accidents; Boilers; Explosions

Refer from Boilers; Chemistry, Technical; Feed water; Pipe

Refer from Feed water; Furnaces; Heating; Injectors; Mechanical engineering; Power plants, Steam; Safety valves; Steam; Steam boilers (s); Steam engines

Refer from Marine boilers (s); Marine engineering; Marine engines; Naval boilers (s); Steam navigation; Steamboats

Refer from Boiler tests (s); Testing (s)

Boiling points

See also Chemistry, Physical; Distillation

Bolak**Boll weevil**

See also Cotton — Diseases and pests

Bolts and nuts

See also Machine design

Bond servants *see* Indentured servants

Bonding companies *see* Guaranties and sureties

Bonds

See also Corporations; Debts, Public; Finance; Guaranties and sureties; Investments; Securities; Stocks

Bone black *see* Animal charcoal

Bone implements

See also Indians — Implements and weapons

Bone products

See also Animal charcoal; Animal products; Glue; Phosphates

Bones

See also Anatomy; Bone products; Dislocations; Fractures; Joints; Skeleton; Skull; Spine

— Diseases

Book auctions *see* Book prices; Booksellers and bookselling

Book clubs**Book collecting**

See also Book rarities; Bookplates; Libraries, Private

Book covers

See also Bookbinding; Design, Decorative

Book dedication

Book illustration *see* Illustration of books

Book-making (betting) *see* Betting; Horse racing

Book-plates *see* Bookplates

Book prices

See also Booksellers and bookselling

Book rarities

See also Book collecting; Incunabula

Book repairing *see* Books — Repairing and preserving

Book reviews

See also Books and reading; Criticism; Literature — History and criticism

Book sales *see* Book prices; Booksellers and bookselling

Book shelves *see* Shelving (for books)

Refer from Chemistry, Physical; Heat; Liquids; Solution (chemistry); Temperature

Refer from Blue language (s); Language, Artificial; Langue bleue (s)

Refer from Cotton — Diseases and pests; Cotton-boll weevil (s); Mexican boll weevil (s); Mexican cotton-boll weevil (s); Weevils

Refer from Hardware; Machine design; Nuts (machinery) (s)

Refer from Contracts; Corporations; Finance; Guaranties and sureties; Investments; Municipal bonds (s); Municipal finance; Negotiable instruments; Securities; Stocks

Refer from Implements, utensils, etc.; Indians — Implements and weapons; Tools

Refer from Animal charcoal; Animal products; Bones; Glue; Phosphates

Refer from Anatomy; Dislocations; Fractures; Osteology (s); Skeleton; Surgery

Refer from Medicine — Practice

Refer from Clubs; Libraries

Refer from Bibliography; Bibliomania (s); Bibliophily (s); Book rarities; Collectors and collecting; Libraries; Libraries, Private

Refer from Bookbinding; Cover design (s); Design, Decorative

Refer from Authorship; Dedication of books (s)

Refer from Book auctions (s); Book sales (s); Booksellers and bookselling; Prices

Refer from Bibliography; Bibliography — Rare books (s); Book collecting; Incunabula; Rare books (s)

Refer from Appraisal of books (s); Books — Appraisal (s); Books and reading; Criticism; Evaluation of literature (s); Literature — History and criticism; Publishers and publishing; Reviews (s)

Book stacks *see* Shelving (for books)
Book titles *see* Titles of books
Book trade *see* Booksellers and bookselling;
Publishers and publishing
Book-worms *see* Bookworms
Bookbinding

See also Book covers; Marbling

Bookcases *see* Shelving (for books)

Bookkeeping

See also Accounting; Auditing; Business education; Card system in business; Cost accounting; Municipal accounts

Bookmaking (betting) *see* Betting; Horse racing

Bookplates

Books

See also Bibliography; Block books; Bookbinding; Bookplates; Books and reading; Booksellers and bookselling; Bookworms; Cataloging; Catalogs, Library; Chained books; Classification; Colophons; Copyright; Illumination of manuscripts and books; Illustration of books; Libraries; Literature; Manuscripts; Reference books; Printing; Prohibited books; Publishers and publishing; Shelving (for books); Textbooks; Title-pages; Titles of books; Writing; *also* headings beginning Book

—Appraisal, *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

—Repairing and preserving

See also Bookworms

Books and reading

See also Bibliography; Book reviews; Books; Children's literature; Fiction in libraries; Libraries; Literature; Prohibited books; Reference books

—Best books

See also Children's literature

Books for the blind *see* Blind, Books for the

Booksellers and bookselling

See also Book prices; Catalogs, Booksellers'; Copyright; Publishers and publishing

Booksellers' catalogs *see* Catalogs, Book sellers'

Bookselling *see* Booksellers and bookselling

Bookworms

See also Books — Repairing and preserving

Boomerangs

Boone's trail *see* Wilderness road

Boots and shoes

See also Blacking; Leather; Shoemakers

Refer from Arts and crafts; Bibliography; Binding (s); Book covers; Books; Industrial arts; Library science

Refer from Accounting; Arithmetic, Commercial; Auditing; Business; Business education; Commerce

Refer from Bibliography; Book collecting; Book-plates (s); Books; Ex libris (s)

Refer from Bibliography; Books and reading; Copyright; Libraries; Literature; Paleography; Printing; Publishers and publishing; Writing

Refer from Book repairing (s); Bookworms

Refer from Appraisal of books (s); Bibliography; Book reviews; Books; Books — Appraisal (s); Choice of books (s); Education; Evaluation of literature (s); Libraries; Literature; Reading; Self-culture

Refer from Appraisal of books (s); Best books (s); Bibliography — Best books (s); Books — Appraisal (s); Evaluation of literature (s)

Refer from Biography; Book auctions (s); Book prices; Book sales (s); Book trade (s); Books; Bookselling (s); Commerce; Copyright; Literature; Publishers and publishing

Refer from Book-worms (s); Books; Books — Repairing and preserving; Insects, Injurious and beneficial

Refer from Arms and armor

Refer from Costume; Foot; Leather; Manufactures; Shoes (s)

Bordeaux mixture

See also Fungicides; Spraying
Border life *see* Frontier and pioneer life

Borders of Scotland

Boring

See also Artesian wells; Rock drills;
Shaft sinking

Boring (metal working, etc.) *see* Drilling
(perforating)

Boroughs

See also Cities; Local government;
Municipal corporations; Representative
government and representation; Towns

Bosjesmen *see* Bushmen

Boss rule

See also Graft; Political corruption

Bossism *see* Boss rule

Boston massacre, 1770

See also U. S. — History — Revolution —
Causes

Boston tea party, 1773

See also U. S. — History — Revolution —
Causes

Botanical chemistry *see* Plants — Chemistry
and nutrition

Botanical gardens

See also Gardens; Parks

Botanical museums

Botanical nomenclature *see* Botany — Nomen-
clature

Botanical societies

Botanists

See also Naturalists

Botanizing *see* Plants — Collection and pres-
ervation

Botany [for systematic works and those dealing
with botany as a science]

See also Alpine plants; Annuals (plants);
Aquatic plants; Bacteriology; Biology;
Botanists; Buds; Bulbs; Cells; Climbing
plants; Color of flowers; Cryptogams;
Desert vegetation; Evolution; Fertilization
of plants; Floriculture; Flowers; Forests
and forestry; Fossil plants; Fruit; Garden-
ing; Geographical distribution of animals
and plants; Hybridization; Insectivorous
plants; Leaves; Medical botany; Mendel's
law; Microscope and microscopy; Natural
history; Nature study; Parasites; Phanero-
gams; Plants; Seedlings; Seeds; Shrubs;
Trees; Tropical plants; Variation (biology);
Vegetables; Weeds; *also* headings beginning
Botanical and Plant, and names of plants,
and of divisions, orders, etc., of the vegetable
kingdom; *also* names of cities, subhead
Botany

—Agricultural, *see* Botany, Economic

—Anatomy, *see* Botany, Structural

Refer from Fungicides; Spraying

Refer from Scotland; Scottish borders (s);
Scottish marches (s)

Refer from Artesian wells; Civil engineering;
Diamond drilling (s); Drilling (earth and
rock) (s); Engineering; Hydraulic engineering;
Mining engineering; Rock drills; Shaft sink-
ing; Wells

Refer from Cities; Local government; Mu-
nicipal corporations; Representative govern-
ment and representation; Towns

Refer from Bossism (s); Political bosses (s);
Political corruption; Politics

Refer from Boston — History; Massacres;
Massachusetts — History; U. S. — History —
Revolution — Causes

Refer from Boston — History; Taxation —
U. S.; Tea; U. S. — History — Revolution —
Causes

Refer from Gardens; Parks

Refer from Museums

Refer from Scientific societies; Societies

Refer from Botany; Naturalists; Scientists

Refer from Annuals (plants); Biology; Buds;
Cryptogams; Flora (s); Flowers; Gardening;
Insectivorous plants; Leaves; Natural history;
Nature; Nature study; Phanerogams; Plants;
Science; Shrubs; Trees; Vegetable kingdom (s)

Botany—Continued

—Classification

See also Botany — Nomenclature

—Ecology, *see* Ecology

—Economic

See also Agricultural products, and names of products; Forest products, and names of products; Grasses; Medical botany; Plants, Cultivated; Poisonous plants; Weeds

—Embryology

See also Cells; Germination; Seeds

—Fossil, *see* Fossil plants

—Geographic, *see* Geographical distribution of animals and plants

—Histology, *see* Botany, Structural

—History

—Medical, *see* Medical botany

—Morphology, *see* Botany, Structural

—Nomenclature

—Organography, *see* Botany, Structural

—Pathology, *see* Plants — Diseases

—Physiology

See also Botany — Embryology; Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fermentation; Fertilization of plants; Galls (botany); Germination; Insectivorous plants; Metabolism; Phosphorescence; Plants — Chemistry and nutrition; Plants, Effect of chemicals on; Plants — Movements; Roots

—Structural

See also Bark; Botany — Physiology; Cells; Flowers; Leaves; Roots; Seeds

—Study and teaching

—U. S.

Botany of the Bible *see* Bible — Natural history

Boulders

See also Drift; Glaciers; Moraines

Boundaries

See also Frontiers; Northeast boundary of the U. S.; Northwest boundary of the U. S.; *also* names of countries, states and cities, subhead Boundaries

Bounties

See also Subsidies

—Military

See also Recruiting and enlistment

Refer from Classification; Plants — Classification (s)

Refer from Agricultural botany (s); Agricultural products; Agriculture; Botany, Agricultural (s); Economic botany (s); Forest products; Medical botany; Plants, Useful (s)

Refer from Botany — Physiology; Cells; Embryology; Plant embryology (s); Seeds

Refer from Botanical nomenclature (s); Botany — Classification; Names; Nomenclature (s); Plant names (s); Plants — Names(s); Terminology (s)

Refer from Botany, Structural; Climbing plants; Color of flowers; Color of plants; Fertilization of plants; Germination; Insectivorous plants; Metabolism; Physiological botany (s); Physiology of plants (s); Plant physiology (s); Plants — Chemistry and nutrition; Plants — Habits (s); Plants — Movements; Plants — Physiology (s); Vegetable physiology (s)

Refer from Anatomy of plants (s); Bark; Botany — Anatomy (s); Botany — Histology (s); Botany — Morphology (s); Botany — Organography (s); Botany — Physiology; Cells; Histology; Leaves; Morphology; Morphology of plants (s); Organography (s); Plant anatomy (s); Plant morphology (s); Plants — Anatomy (s); Plants — Morphology (s); Roots; Structural botany (s); Wood

Refer from Natural history — U. S.; U. S. — Botany (s); U. S. — Flora (s)

Refer from Boulders (s); Drift; Erratics (s); Geology; Glaciers; Moraines

Refer from Frontiers; Geography; Geography, Political (s); History; International law

Refer from Compensation (s); Rewards (prizes, etc.); Subsidies

Refer from Military art and science; Military bounties (s); Pensions; Recruiting and enlistment

11-20

JAMES

Bow (music) *see* Stringed instruments; Violin
Bow and arrow

See also Archery; Arrowheads

Bowed instruments *see* Stringed instruments

Boulders *see* Boulders

Bowling

Bows *see* Bow and arrow

Box making

Boxers

See also China — History; Eastern question (Far East); Missions — China

Boxing

Boy *see* Boys

Boy choirs *see* Choirs

Boy scouts

Boycott

See also Blacklisting; Consumers' leagues; Labor unions; Strikes and lockouts

Boys

See also Apprentices; Boy scouts; Boys' clubs; Child labor; Children; Education; Juvenile delinquency; Newsboys; School children; Truancy; Young men; Youth

Boys' clubs

See also Boy scouts

Bracelets

See also Jewelry

Brachiopoda

See also Invertebrates

Brachygraphy *see* Shorthand

Brahmanism

See also Buddhism; Caste; Hinduism; India — Religion; Vedanta; Vedas

Braidism *see* Hypnotism

Brain

See also Aphasia; Apoplexy; Dreams; Fatigue, Mental; Feeble-minded; Head; Idiocy; Insanity; Intellect; Memory; Mental diseases; Meningitis; Mind and body; Nervous system; Paralysis; Phrenology; Psychology; Psychometry; Sleep; Trephining

Brakes

See also Air brakes; Safety devices

Brandy

See also Distillation; Liquors

Brass

See also Alloys; Brasses

Brass instruments *see* Wind instruments

Brasses

Bravery *see* Courage

Brazing *see* Solder and soldering

Bread

See also Baking; Cookery; Flour and flour mills

Breadstuffs *see* Grain

Breakfast foods *see* Cereals, Prepared

Refer from Archery; Arms and armor; Arrowheads; Arrows (s); Bows (s)

Refer from Games; Ten pins (s); Tenpins (s)

Refer from Manufactures

Refer from China — History; Eastern question (Far East); Missions — China; Secret societies

Refer from Athletics; Fighting (s); Prize fighting (s); Pugilism (s); Sparring (s); Sports

Refer from Boys; Boys' clubs; Scouts and scouting

Refer from Blacklisting; Labor and capital; Labor laws; Labor unions; Strikes and lockouts

Refer from Boy (s); Children; Conduct of life; Young men; Young people (s); Youth

Refer from Boys; Clubs; Social settlements

Refer from Jewelry

Refer from Invertebrates; Marine zoology

Refer from Buddhism; Caste; Hinduism; India — Religion; Religions

Refer from Head; Insanity; Intellect; Mental diseases; Mental physiology (s); Mind and body; Nervous system; Physiology; Psychology; Psychology, Physiological; Skull

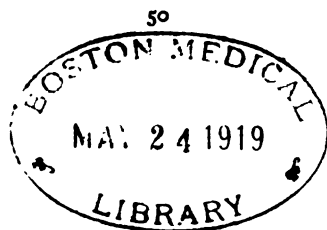
Refer from Air brakes; Railroads; Railroads — Equipment and supplies; Safety devices

Refer from Alcohol; Distillation; Liquors

Refer from Alloys; Copper; Metals; Sheet-metal work; Zinc

Refer from Archaeology; Art; Brass; Epitaphs; Inscriptions; Metal work; Monumental brasses (s); Monuments; Tombs

Refer from Baking; Cookery; Food



Breakfasts

See also Cereals, Prepared; Cookery; Menus

Breakwaters

See also Civil engineering; Jetties; Piles and pile driving

Breathing

See also Chest; Lungs; Physiology; Respiratory organs; Singing and voice culture; Voice; Yawning

Breeding

See also Domestic animals; Eugenics; Heredity; Hybridization; Live stock; Mendel's law; Plant breeding

Bréton club *see* Jacobins

Breviaries

See also Catholic church — Liturgy and ritual; Liturgies

Brewing

See also Ale; Beer; Chemistry, Technical; Enzymes; Liquors; Malt

Bribery

See also Graft; Political corruption

Bric-a-brac

See also Decoration and ornament; Pottery

Bricklaying

See also Masonry

Bricks

See also Bricklaying; Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

Bridal customs *see* Marriage customs and rites; Weddings

Bridge (game) *see* Bridge whist

Bridge whist

See also Cards; Whist

Bridges

See also Arches; Cables; Civil engineering; Culverts; Drawbridges; Girders; Graphic statics; Masonry; Military bridges; Strains and stresses; Trestles; Trusses; *also* names of cities, subhead Bridges

—Foundations and piers

See also Caissons; Cofferdams

Brigands and robbers

See also Dacoits; Outlaws; Thieves; Thugs

Briquets

See also Fuel

Criticisms**British in India**

See also Eastern question (Central Asia); India — History

British literature *see* English literature; Irish literature; Scottish literature

Refer from Cookery; Eating; Home economics; Meals (s); Menus; Table

Refer from Civil engineering; Engineering; Harbors; Hydraulic engineering; Jetties; Piles and pile driving

Refer from Lungs; Physiology; Respiration (s); Respiratory organs; Singing and voice culture

Refer from Animals — Breeding (s); Cattle; Domestic animals; Heredity; Live stock; Stock breeding (s); Thremmatology (s)

Refer from Catholic church — Breviaries (s); Catholic church — Liturgy and ritual; Liturgies; Prayer books

Refer from Ale; Beer; Chemistry, Technical; Fermentation; Industrial arts; Liquor traffic; Liquors; Malt

Refer from Crime and criminals; Elections; Graft; Political corruption; Political ethics

Refer from Art; Decoration and ornament; House decoration; Pottery

Refer from Bricks; Building; Masonry

Refer from Building materials; Clay; Clay industries; Masonry; Pavements; Tiles

Refer from Bridge (game) (s); Cards; Whist

Refer from Arches; Architecture; Civil engineering; Culverts; Drawbridges; Engineering; Girders; Graphic statics; Masonry; Railroad bridges (s); Railroads; Railroads — Construction; Steel construction; Strains and stresses; Suspension bridges (s); Trestles; Trusses; Viaducts (s)

Refer from Caissons; Cofferdams; Foundations; Hydraulic engineering; Piers (s)

Refer from Banditti (s); Biography; Crime and criminals; Highwaymen (s); Kidnapping; Outlaws; Robbers (s); Thieves

Refer from Bog fuel (s); Coal; Fuel; Lignite; Peat

Refer from English language; English language — Dialects; Idioms, English; Slang

Refer from English in India (s); India — History

British museum

British poetry *see* English poetry; Irish poetry;
Scottish poetry

Britons

See also Celts; Druids; England — History
— To 1066

Broadsword *see* Swords

Brokers and factors

See also Agency, Stock exchange

Bronchitis

See also Cough; Respiratory organs —
Diseases; Throat

Bronze

See also Alloys; Bronzes; Bronzing

Bronze age

See also Archaeology; Copper age

Bronzes

Bronzing

See also Metal coloring

Brooches

See also Jewelry

Brook Farm

Brook life *see* Fresh-water life

Brook trout *see* Trout

Broom drill *see* Drills and marches

Brooms and brushes

Brotherhoods

See also Monasticism; Religious orders

Brothers of Christ *see* Christadelphians

Brownists

See also Congregationalism; Dissenters;
Pilgrim fathers

Brushes *see* Brooms and brushes

Brutes *see* Animals — Treatment; Zoology

Bryology *see* Mosses

Bryophytes *see* Cryptogams; Mosses

Bryozoa *see* Polyzoa

Bubbles, Soap, *see* Soap bubbles

Bubonic plague *see* Plague

Buccaneers

See also Filibusters; Pirates

Bucket shops *see* Speculation

Bucolic poetry *see* Pastoral poetry

Buddha *see* Buddhism

Buddhism

See also Brahmanism; Hinduism; India —
Religion; Lamaism; Theosophy

— Esoteric, *see* Theosophy

Budget *see* names of countries and cities,
subhead Finance

Buds

See also Botany

Buffalo, American, *see* Bison

Refer from London — Galleries and mu-
seums; London — Libraries

Refer from Celts; Druids; England —
History — To 1066

Refer from Agency; Agents (s); Commercial
law; Factors (s); Stock exchange

Refer from Cold (disease); Cough; Medicine
— Practice; Respiratory organs — Diseases;
Throat

Refer from Alloys; Copper; Metals; Tin

Refer from Archaeology; Copper age
Refer from Archaeology; Art; Bronze;
Decoration and ornament; Metal work;
Sculpture

Refer from Bronze; Decoration and orna-
ment; Metal coloring; Plating

Refer from Jewelry

Refer from Communism; Cooperation;
Transcendentalism

Refer from Brushes (s); Sweeping

Refer from Church polity; Monasticism;
Religious orders

Refer from Congregationalism; Dissenters;
Pilgrim fathers; Sects

Refer from Filibusters; Freebooters (s);
Naval battles; Naval history; Pirates; Voy-
ages and travels; West Indies — History

Refer from Brahmanism; Buddha (s);
China — Religion; Confucianism; Hinduism;
India — Religion; Lamaism; Monasticism;
Religions

Refer from Botany; Flowers

Bugle calls

See also Military music

Bugs *see* Hemiptera; Insects

Buhlwork *see* Inlay

Building

See also Acoustics of buildings; Arches; Architecture; Bricklaying; Building materials; Building stones; Carpentry; Ceilings; Chimneys; Civil engineering; Concrete construction; Doors; Engineering; Fire escapes; Fireproof construction; Floors; Foundations; Girders; Graphic statics; Hardware; Heating; House painting; Masonry; Plaster and plastering; Plumbing; Roofs; Sanitary engineering; Scaffolding; Shoring and underpinning; Skylights; Stair building; Steel construction; Strains and stresses; Strength of materials; Trusses; Vaulting; Ventilation; Walls; Windows

—Contracts and specifications**—Estimates**

—Materials, *see* Building materials

—Specifications, *see* Building — Contracts and specifications

Building and loan associations

See also Benefit societies

Building contracts *see* Building — Contracts and specifications

Building laws

See also Fire escapes; Fireproof construction; Tenement houses

Building materials

See also Bricks; Building stones; Cement; Concrete; Concrete, Reinforced; Fireproof construction; Glass; Iron; Plaster and plastering; Steel; Stone; Stone, Artificial; Strength of materials; Stucco; Terra cotta; Tiles; Timber; Wood

Building stones

See also Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Slate; Stone; Stonecutting

Buildings, Dampness in, *see* Dampness in buildings

Buildings, Portable, *see* Portable buildings

Buildings, Public, *see* Public buildings

Bulbs

See also Floriculture

Bulkheads

See also Shipbuilding

Bull fights *see* Bullfights

Bulletins, Library, *see* Library bulletins

Bullets *see* Projectiles

Bullfights

See also Mexico — Social life and customs; Spain — Social life and customs

Bullion *see* Coinage; Money; Precious metals

Refer from Military art and science; Military music; Signals; Trumpet calls (s)

Refer from Arches; Architecture; Carpentry; Civil engineering; Construction (s); Engineering; Floors; Foundations; Girders; Industrial arts; Masonry; Plaster and plastering; Roofs; Scaffolding; Shoring and underpinning; Steel construction; Strains and stresses; Strength of materials; Trusses; Walls

..

Refer from Building — Specifications (s); Building contracts (s); Contracts; Specifications (building) (s)

Refer from Estimates (s)

Refer from Banks and banking; Benefit societies; Cooperation; Cooperative banks (s); Cooperative building associations (s); Corporations; Investments; Loan associations (s); Provident loan associations (s); Savings banks

Refer from Fireproof construction; Hygiene, Public; Law; Municipal improvement

Refer from Architecture; Bricks; Building; Building — Materials (s); Building stones; Cement; Concrete; Concrete, Reinforced; Engineering; Engineering materials (s); Strength of materials; Timber

Refer from Building; Building materials; Geology, Economic; Granite; Limestone; Marble; Masonry; Quarries and quarrying; Sandstone; Stone; Stonecutting; Stones (s)

Refer from Botany; Floriculture

Refer from Shipbuilding; Steamboats

Refer from Bull fights (s); Fighting (s); Mexico — Social life and customs; Spain — Social life and customs; Sports

Bulls, Papal
See also Popes

Bungalows

Bunker Hill, Battle of
See also U. S. — History — Revolution

Buoys

Bureaucracy

Burglary
See also Larceny

Burial
See also Catacombs; Cemeteries; Cremation; Embalming; Epitaphs; Funeral rites and ceremonies; Monuments; Mounds and mound builders; Mummies; Sarcophagi; Tombs; Urn burial

—Premature

Buried treasure *see* Treasure-trove

Burlesques
See also Comedy; Parodies

Burning the dead *see* Cremation

Burns and scalds
See also First aid in illness and injury

Burnt leather *see* Pyrography

Burnt wood work *see* Pyrography

Burying grounds *see* Burial; Cemeteries

Bushman

Business
See also Accounting; Advertising; Auditions; Auditing; Boards of trade; Book-keeping; Business depression; Business education; Business ethics; Card system in business; Cash registers; Commerce; Commercial law; Commercial travelers; Competition; Corporations; Credit; Department stores; Economics; Exchange; Finance; Forms (in law); Instalment plan; Joint-stock companies; Mail order business; Manufactures; Markets; Merchants; Money; Occupations; Office supplies; Panics; Peddlers and peddling; Profession, Choice of; Profit; Promoting; Prosperity; Real estate business; Salesmanship; Scientific management; Signs; Stock exchange; Success; Trust companies; Warehouses; Wealth; Window dressing

Business arithmetic *see* Arithmetic, Commercial

Business correspondence *see* Commercial correspondence

Business depression
See also Panics

Refer from Catholic church; Papal bulls (s); Popes

Refer from Architecture, Domestic; Architecture, Rural (s); Cottages; Country houses; Rural architecture (s)

Refer from U. S. — History — Revolution — Campaigns and battles

Refer from Bell buoys (s); Harbors; Navigation

Refer from Civil service; Government

Refer from Crime and criminals; Larceny; Thieves

Refer from Archæology; Burying grounds (s); Cemeteries; Christian antiquities; Death; Funeral rites and ceremonies; Graves (s); Hygiene, Public; Interment (s); Manners and customs; Mortuary customs (s); Sepulture (s); Tombs

Refer from Premature burial (s); Suspended animation

Refer from Comedy; Humor; Parodies

Refer from Accidents; First aid in illness and injury; Scalds (s)

Refer from Bosjesmen (s); Ethnology — Africa; Hottentots

Refer from Accounting; Advertising; Commerce; Commercial law; Economics; Industrial arts; Merchants; Money; Occupations; Profession, Choice of; Salesmanship; Stores (s); Success; Trade (s); Wealth

Refer from Business; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Hard times (s); Industrial depression (s); Panics; Prosperity

Business education

See also Accounting; Bookkeeping; Commercial correspondence; Commercial law; Penmanship; Shorthand; Typewriting

Business ethics

See also Competition; Honesty; Honor; Wealth

Business law *see* Commercial law

Busy work

See also Cardboard construction; Paper work

Butchering *see* Slaughtering and slaughter-houses

Butter

See also Dairy products; Dairying; Oleo-margarine

Butterflies

See also Caterpillars; Lepidoptera

Buttons

By-products *see* Waste products

Byzantine empire

See also Constantinople; Middle ages — History

Cabala

See also Occult sciences

Cabbala *see* Cabala

Cabinet organ *see* Reed organ

Cabinet system**Cabinet work**

See also Decoration and ornament; Furniture; Turning

Cabins, Log, *see* Log cabins

Cable codes *see* Telegraph codes

Cable railroads

See also Mountain railroads

Cables

See also Cable railroads; Cableways; Chains; Electric cables; Rope; Wire

— **Submarine**

Cableways

See also Conveying machinery; Suspended railways; Telpherage

Cabs *see* Carriages

Caesarism *see* Despotism; Imperialism

Caesars *see* Roman emperors

Cafés *see* Restaurants

Caffres *see* Kafirs

Cage birds

See also Canaries

Refer from Bookkeeping; Business; Commercial education (s); Commercial schools (s); Education

Refer from Business; Commercial ethics (s); Conduct of life; Ethics; Ethics, Commercial (s); Honesty; Honor; Merchants

Refer from Children; Education, Elementary; Manual training; Seat work in schools (s); Teaching

Refer from Dairy products; Dairying; Food; Milk

Refer from Caterpillars; Lepidoptera

Refer from Clothing; Manufactures

Refer from Constantinople; Eastern empire (s); Greek empire (s); Middle ages — History; Rome — History — Empire; Turkey — History

Refer from Cabbala (s); Hebrew literature; Jewish literature; Jews — Religion; Kabala(s); Kabbala (s); Mysticism; Occult sciences; Theosophy

Refer from Constitutional history; Government; Representative government and representation

Refer from Carpentry; Decoration and ornament; Furniture; Industrial arts; Woodwork

Refer from Cables; Mountain railroads; Railroads; Railroads, Cable (s); Street railroads

Refer from Bridges; Manufactures; Power transmission; Rope; Wire

Refer from Atlantic cable (s); Electric cables; International law; Pacific cable (s); Submarine cables (s); Submarine telegraph (s); Telegraph; Telegraph, Submarine (s)

Refer from Cables; Conveying machinery; Ropeways (s); Suspended railways; Telpherage

Refer from Birds; Canaries; Domestic animals; Pets

Caisson disease

Caissons

See also Bridges — Foundations and piers;
Caisson disease; Compressed air; Foundations

Cake

See also Baking

Calculating machines

See also Slide rule; Tabulating machines

Calculation — Aids, *see* Calculating machines;
Mathematics — Tables, etc.; Ready-reckoners

Calculators *see* Calculating machines; Ready-reckoners

Calculus

See also Algebra; Curves; Equations;
Functions

Calendar

See also Christian year; Chronology;
Time; Year

Calendars

See also Almanacs; Daily readings;
Yearbooks

Calico printing

See also Dyes and dyeing; Textile design

Califs *see* Caliphs

Caliphs

See also Bagdad; Mohammedanism

Calisthenics *see* Gymnastics; Physical education

Calligraphy *see* Penmanship

Callisthenics *see* Gymnastics; Physical education

Caloric *see* Heat

Caloric engines *see* Air engines

Calorimeters and calorimetry

See also Animal heat; Heat

Calumny *see* Libel and slander

Calvinism

See also Antinomianism; Arminianism;
Congregationalism; New England — Religious history; Orthodoxy; Predestination;
Presbyterianism; Puritans

Cambistry *see* Arithmetic, Commercial; Foreign exchange; Weights and measures

Cambrian period *see* Geology, Stratigraphic — Cambrian; Paleontology — Cambrian

Cameos

See also Gems

Cameras

See also Photography

Camisards

See also Cévennes; France — Religious history; Huguenots

Refer from Caissons; Compressed air; Compressed air disease (s); Occupations — Diseases and hygiene

Refer from Bridges — Foundations and piers; Foundations; Hydraulic engineering

Refer from Baking; Cookery

Refer from Arithmetic; Arithmetic, Commercial; Calculation — Aids (s); Calculators (s); Machinery; Mathematical instruments; Mathematics

Refer from Algebra; Analysis (mathematics) (s); Differential calculus (s); Fluxions (s); Functions; Infinitesimal calculus (s); Integral calculus (s); Mathematics; Variations (calculus) (s)

Refer from Astronomy; Chronology; Gregorian calendar (s); Time; Year

Refer from Almanacs; Yearbooks

Refer from Dyes and dyeing; Printing; Textile industry and fabrics

Refer from Califs (s); Kalifs (s); Khalifs (s); Kings and rulers; Mohammedanism; Saracens; Sovereigns (s)

Refer from Fuel; Heat; Steam engines; Thermometer

Refer from Congregationalism; New England — Religious history; Orthodoxy; Predestination; Presbyterianism; Theology

Refer from Carving (art industries); Gems; Jewelry

Refer from Photography

Refer from Cévennes; France — Religious history; Huguenots

Camorra

See also Italy — Politics; Mafia

Camp meetings

Campagna di Roma

Campaign funds

Campaign literature

See also Silver (as money); Tariff question; U. S. — Politics

Campaign songs

Campaigns, Presidential, *see* Elections— U. S.; Presidents — U. S.— Election

Campanology *see* Bells

Campbellites *see* Disciples of Christ

Camping

See also Outdoor life; Tents

Camps (military)

See also Concentration camps

Cams

See also Machine design

Canada — History

——— **To 1763 (New France)**

See also French and Indian war; French in America

——— **1763-1867**

See also Canada — History — Rebellion, 1837-1838

——— **Rebellion, 1837-1838**

See also Canada — History — 1763-1867

——— **1867-**

See also Fenians (society)

Canadian literature

See also Canadian poetry

Canadian Northwest *see* Northwest, Canadian
Canadian poetry

See also Canadian literature

Canadian rebellion, 1837-1838, *see* Canada — History — Rebellion, 1837-1838

Canadians in the U. S.

Canal boats

Canal locks *see* Canals — Locks

Canals

See also Aqueducts; Canal boats; Civil engineering; Embankments; Hydraulic engineering; Inland navigation; Irrigation canals; Ship canals; Waterways; *also* names of canals, e.g. Panama canal

——— **Locks**

——— **U. S.**

See also Waterways — U. S.

Refer from Crime and criminals — Italy; Italy — Politics; Mafia; Naples; Secret societies

Refer from Revivals

Refer from Italy — Description and travel; Roman Campagna (s); Rome (city)— Campagna (s)

Refer from Civil service; Elections; Elections — U. S.; Political corruption; Political parties; Politics; Publicity; U. S.— Politics

Refer from Political parties; Politics; U. S.— Politics

Refer from Political songs (s); Songs; Songs, American [etc.]

Refer from Amusements; Country life; Outdoor life; Sports; Tents; Vacations

Refer from Military art and science

Refer from Machine design; Mechanical movements

Refer from French in America; New France (s)

Refer from Canada — History — Rebellion, 1837-1838

Refer from Canada — History — 1763-1867; Canadian rebellion, 1837-1838 (s); French-Canadians

Refer from Fenians (society)

Refer from American literature; Canadian poetry; English literature; French-Canadian literature (s)

Refer from American poetry; Canadian literature; English poetry

Refer from U. S.— Foreign population

Refer from Boats and boating; Canals

Refer from Civil engineering; Commerce; Engineering; Hydraulic engineering; Inland navigation; Transportation; Water supply; Waterways

Refer from Canal locks (s); Locks (canals) (s)

Refer from U. S.— Canals (s); Waterways — U. S.

Canaries

See also Birds; Cage birds

Cancer**Candles****Candlesticks**

Candy *see* Confectionery

Caning of chairs *see* Chair caning

Canned food *see* Canning and preserving;

Packing industry

Cannibalism

See also Africa — Description and travel;

Polynesia

Canning and preserving

See also Cookery; Food preservation and preservatives

Cannon *see* Guns; Ordnance

Canoeing *see* Canoes and canoeing

Canoes and canoeing

See also Boats and boating

Canon (Bible) *see* Bible — Canon

Canon (music)

See also Counterpoint; Fugue; Musical form

Canon law *see* Church law

Canonization

See also Saints

Canons, Apostolic, *see* Apostolic canons

Cantatas**Canteens (army)****Canterbury cathedral**

See also Cathedrals — England

Canticles *see* Bible — Old Testament — Song of Solomon

Caoutchouc *see* Rubber

Cap and gown *see* Costume, Academic

Capillarity

See also Hydrostatics; Liquids; Splashes

Capital

See also Banks and banking; Capitalists and financiers; Commerce; Economics; Interest; Investments; Labor and capital; Money; Monopolies; Profit; Trusts; Wealth

Capital and labor *see* Labor and capital

Capital punishment

See also Electrocution; Executioners; Guillotine; Lynch law

Capitalists and financiers

See also Millionaires

Capitalization

See also Cataloging

Capitalization (finance) *see* Corporations; Promoting; Railroads — Finance; Securities

Caps and gowns *see* Costume, Academic

Refer from Birds; Cage birds

Refer from Carcinoma (s); Medicine — Practice; Tumors

Refer from Lighting; Manufactures

Refer from Furniture; House decoration

Refer from Anthropophagy (s); Ethnology; Food; Man; Manners and customs

Refer from Canned food (s); Cookery; Domestic arts; Food preservation and preservatives; Fruit; Industrial arts; Preserving (s)

Refer from Aquatic sports; Boats and boating; Canoeing (s); Navigation; Rowing; Sailing; Sports

Refer from Composition (music); Counterpoint; Fugue; Music — Theory; Musical form

Refer from Catholic church; Church history; Rites and ceremonies; Saints

Refer from Music; Oratorios

Refer from Army canteens (s); Liquor problem; Liquor traffic; Temperance; U. S. — Army

Refer from Canterbury, Eng.; Cathedrals — England

Refer from Hydrostatics; Liquids; Matter; Physics

Refer from Commerce; Economics; Finance; Income; Labor and capital; Money; Monopolies; Profit; Property; Trusts; Wealth

Refer from Crime and criminals; Criminal law; Death penalty (s); Ethics; Executions (s); Hanging (s); Murder; Punishment

Refer from Biography; Capital; Finance; Financiers (s); Millionaires; Wealth

Refer from Cataloging; Printing; Writing

Captivity among the Indians *see* Indians — Captivities

Capuchins

See also Franciscans; Monasticism

Car building *see* Cars

Car couplings

Car heating, lighting and ventilation

Car lighting *see* Car heating, lighting and ventilation

Car shops *see* Railroads — Shops

Car ventilation *see* Car heating, lighting and ventilation

Car wheels

Carbines *see* Rifles

Carbon

See also Charcoal; Chemistry, Organic; Coal; Coke; Diamonds; Electric light carbons; Graphite

Carbonari

See also Italy — History — 1815-; Italy — Politics

Carboniferous period *see* Geology, Stratigraphic — Carboniferous; Paleontology — Carboniferous

Carbons (electric light) *see* Electric light carbons

Carcinoma *see* Cancer; Tumors

Card catalogs *see* Catalogs, Card

Card system in business

See also Accounting; Catalogs, Card

Cardboard construction

Cardinals

See also Catholic church — Clergy

Cards

See also Bezique; Bridge whist; Cribbage; Euchre; Fortune telling; Gambling; Games; Poker; Skat (game); Solitaire; Whist

Caricature and cartoons

See also Humor; Mimicry; Satire

Carlists

See also Spain — History — 1700-

Carmelites

Carnations

See also Floriculture

Carnivals *see* Festivals

Carnivora

See also Bears; Cats; Dogs; Foxes; Lions; Mammals; Seals (animals); Tigers; Wolves

Carnivorous plants *see* Insectivorous plants

Carols

See also Ballads; Songs

Carpenters' square *see* Square (instrument)

Refer from Franciscans; Monasticism

Refer from Cars; Couplings (s); Railroads — Equipment and supplies; Safety devices

Refer from Car lighting (s); Car ventilation (s); Cars; Heating; Lighting; Railroads — Equipment and supplies; Ventilation

Refer from Cars; Wheels

Refer from Chemical elements; Chemistry, Organic

Refer from Italy — History — 1815-; Italy — Politics; Secret societies

Refer from Accounting; Bookkeeping; Business; Catalogs, Card; Drafting room practice; Indexes; Office supplies

Refer from Busy work; Kindergarten; Manual training

Refer from Catholic church — Biography; Catholic church — Clergy; Christian biography; Church polity

Refer from Amusements; Bezique; Bridge whist; Cribbage; Entertaining; Euchre; Fortune telling; Gambling; Games; Playing-cards (s); Poker; Skat (game); Whist

Refer from Art; Cartoons (s); Drawing; Grotesque; Humor; Illustration of books; Journalism; Mimicry; Pictures; Satire

Refer from Spain — History — 1700-

Refer from Nuns; Sisterhoods

Refer from Floriculture; Flowers

Refer from Bears; Beasts of prey (s); Cats; Dogs; Foxes; Lions; Mammals; Seals (animals); Tigers; Wolves

Refer from Christmas; Christmas carols (s); Christmas poetry; Church music; Easter; Folk songs; Music; Songs

Carpentry

See also Building; Cabinet work; Cars; Doors; Floors; Lathes; Moldings; Railings; Roofs; Rustic woodwork; Scaffolding; Slide rule; Square (instrument); Stair building; Tools; Turning; Wood carving; Woodwork; Woodworking machinery

Carpenterbag rule *see* Reconstruction

Carpets

See also House decoration; Linoleum; Rugs; Sweeping; Weaving

Carriage painting

See also Painting, Mechanical

Carriages

See also Ambulances; Automobiles; Chariots; Coaches and coaching; Omnibuses; Vehicles; Wheels

Carrier pigeons *see* Pigeons

Carriers

See also Baggage; Bailments; Commerce; Commercial law; Communication; Demurrage; Express companies; Freight; Interstate commerce; Navigation; Negligence; Omnibuses; Postal service; Railroads; Shipping; Transportation

Cars

See also Air brakes; Automobiles; Car couplings; Car heating, lighting and ventilation; Car wheels; Carriages; Railroads — Rolling stock; Sleeping cars

Cartels (economics) *see* Combination, Industrial; Trusts

Cartesian philosophy *see* Descartes, René

Carthusians

See also Monasticism

Cartography *see* Charts; Maps

Cartoons *see* Caricature and cartoons

Carving (art industries)

See also Arts and crafts; Bas-relief; Cameos; Glyptics; Ivory; Sculpture; Wood carving

Carving (meat, etc.)

See also Cookery

Caryokinesis *see* Karyokinesis

Cases of conscience *see* Conscience

Cash registers

Casks *see* Cooperage

Cast iron

See also Foundry work; Iron

Castaways

See also Shipwrecks

Caste

See also Brahmanism; India — Social life and customs

Casting *see* Foundry work; Plaster casts

Castles

See also Architecture; Military architecture; also names of castles

Refer from Architecture; Building; Industrial arts; Joinery (s); Manual training; Tools; Woodwork

Refer from Floors; House decoration; Rugs; Textile industry and fabrics; Weaving

Refer from Painting, Mechanical; Wagon painting (s)

Refer from Cabs (s); Cars; Coaches and coaching; Locomotion; Manufactures; Transportation; Vehicles; Wagons; Wheels

Refer from Bailments; Commerce; Commercial law; Common carriers (s); Communication; Demurrage; Express companies; Freight; Law; Public service corporations; Railroads; Shipping; Transportation

Refer from Car building (s); Carpentry; Manufactures; Passenger coaches (s); Railroads; Railroads — Cars (s); Railroads — Equipment and supplies; Railroads — Rolling stock; Street cars (s); Vehicles

Refer from Monasticism

Refer from Art; Arts and crafts; Bas-relief; Decoration and ornament; Design, Decorative; Sculpture; Wood carving

Refer from Cookery; Dinners and dining; Home economics; Meat; Table

Refer from Accounting; Business; Office supplies

Refer from Blast furnaces; Foundry work; Iron; Pig iron (s)

Refer from Adventure; Crusoe stories (s); Shipwrecks

Refer from Brahmanism; Class distinction; Hinduism; India — Social life and customs; Manners and customs; Sociology

Refer from Archaeology; Architecture; Architecture, Medieval; Chateaux (s); Fortification; Military architecture; Palaces

Castles—Continued

—England

See also Warwick castle; Windsor castle

Casts, Plaster, *see* Plaster casts

Casualty insurance, *see* Insurance, Casualty

Casuistry *see* Conscience

Cat *see* Cats

Catabolism *see* Metabolism

Catacombs

See also Church history — Early church

Refer from Warwick castle; Windsor castle

Refer from Archaeology; Burial; Caves; Cemeteries; Christian antiquities; Christian art and symbolism; Church history — Early church; Tombs

Cataloging

See also Alphabeter; Capitalization; Classification; Colophons; Errors and blunders, Literary; Indexing; Library science; Titles of books

Catalogs

See also Bibliography; Cataloging; Indexes; *also* subjects of which catalogs are made

—Booksellers'

Refer from Bibliography; Indexes

Refer from Booksellers and bookselling; Booksellers' catalogs (s)

—Card

See also Card system in business; Cataloging; Catalogs, Library

Refer from Card catalogs (s); Card system in business; Catalogs, Library

—Library

See also Bibliography; Catalogs, Card

Refer from Bibliography; Books; Catalogs, Card; Finding lists (s); Libraries; Library catalogs (s)

—Publishers'

Refer from Publishers and publishing; Publishers' catalogs (s)

Catalysis

See also Chemistry, Physical; Colloids

Refer from Chemistry; Chemistry, Physical; Colloids; Contact action (s)

Cataracts *see* Waterfalls

Catarrh

See also Cold (disease); Hay fever; Respiratory organs — Diseases

Refer from Cold (disease); Hay fever; Medicine — Practice; Nose; Respiratory organs — Diseases

Catechisms

See also Bible — Question books; Creeds; *also* names of churches, subhead Catechisms and creeds

Refer from Bible — Catechisms (s); Bible — Question books; Creeds; Theology

Catering

See also Menus; Table

Refer from Cookery; Menus; Restaurants; Table

Caterpillars

See also Butterflies; Lepidoptera; Moths

Refer from Butterflies; Insects; Lepidoptera; Moths

Cathedrals

See also Architecture, Gothic; Church architecture; *also* names of cathedrals

Refer from Abbeys; Architecture; Architecture, Gothic; Architecture, Medieval; Catholic church; Christian art and symbolism; Church architecture; Church history; Church of England

—England

See also Canterbury cathedral

Refer from Canterbury cathedral

Cathode rays

See also Electric discharges through gases; Electrons; X rays

Refer from Electric discharges through gases; Electrons; Kathode rays (s); Radiation; Radioactivity; X rays

Catholic apostolic church

Refer from Irvingites (s); Sects

Catholic church

See also Abbeys; Absolution; Apostolic succession; Bulls, Papal; Canonization; Cathedrals; Celibacy; Church and state; Confession; Convents and nunneries; Episcopacy; Excommunication; Fasts and feasts; Fathers of the church; Greek church; Immaculate conception; Indulgences; Infallibility; Inquisition; Interdict; Jansenists; Jesuits; Lent; Mary, Virgin; Mass; Miracles; Modernism; Monasteries; Monasticism; Oxford movement; Penance; Persecution; Pilgrimages; Popes; Protestantism; Purgatory; Religious liberty; Religious orders; Ritualism; Rosary; Sacraments; Saints; Shrines; Sisterhoods; Transubstantiation; Ultramontanism; Vatican

—Authority

See also Popes — Authority and supremacy

—Biography

See also Archbishops; Bishops; Cardinals; Catholic church — Clergy; Fathers of the church; Priests; Saints

—Breviaries, *see* Breviaries

—Catechisms and creeds

See also Apostles' creed; Athanasian creed; Nicene creed

—Clergy

See also Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Directories; Celibacy; Episcopacy; Monasticism; Priests

—Councils, *see* Councils and synods

—Creeds, *see* Catholic church — Catechisms and creeds

—Dictionaries

—Directories

—Doctrinal and controversial works

—Education

See also Church and education; Church schools

—Government

See also Excommunication

—History

See also Church history; Councils and synods; Counter-reformation; Jansenists; Popes — History; Popes — Temporal power; Reformation; Schism, The great western, 1378-1417; Vatican council

—Infallibility, *see* Catholic church — Authority; Popes — Infallibility

—Liturgy and ritual

See also Breviaries; Chants; Mass; Missals; Ritualism

—Missions

See also Indians — Missions; Jesuits — Missions

—Name

—Orders, *see* Catholic church — Clergy; Religious orders

—Periodicals

—Popes, *see* Popes

—Ritual, *see* Catholic church — Liturgy and ritual

Refer from Church and state; Church of England; Episcopacy; Holy See (s); Papacy (s); Popes; Protestantism; Roman Catholic church (s); Romanism (s); Sects; Ultramontanism; Vatican

Refer from Authority (in religion); Catholic church — Infallibility (s); Infallibility; Popes — Authority and supremacy

Refer from Catholic church — Creeds (s)

Refer from Apostolic succession; Archbishops; Bishops; Cardinals; Catholic church — Biography; Catholic church — Orders (s); Priests

Refer from Catholic church — Clergy

Refer from Catholic church — Social relations; Church and education

Refer from Church history; Counter-reformation; Reformation; Popes — History

Refer from Breviaries; Catholic church — Ritual (s); Liturgies; Mass; Missals; Ritualism

Refer from Jesuits — Missions; Missions

- Catholic church**—Continued
 —**Social relations**
 See also Catholic church—Education; Socialism and Catholic church
 —**Statistics**
 Catholic church and socialism *see* Socialism and Catholic church
Catholic church in England
 See also Catholic emancipation; England
 —Religious history; Gunpowder plot
Catholic church in France
 See also France—Religious history
Catholic emancipation
 See also Catholic church in England
Catholic literature
Cats
 See also Carnivora; Domestic animals
Cat's cradle *see* String figures
Cattle
 See also Barns and stables; Beef; Breeding; Cowboys; Cows; Dairying; Feeding and feeding stuffs; Horns; Live stock; Oxen; Ungulata
 —**Diseases**
 See also Tuberculosis in animals; Veterinary medicine
 —Transportation, *see* Animals—Transportation
Caucasian race
 See also Aryans
Caucus
 See also Elections; Nominations; Primaries
Causation
 See also Metaphysics; Teleology
Cause and effect *see* Causation
Cavalry
 See also Cavalry drill and tactics; Horse; Military art and science; *also* under country, e.g. U. S.—Army—Cavalry. For volunteer regiments in the U. S., *see* under name of state, e.g. New York cavalry; *also* United States volunteer cavalry, for volunteer regiments recruited at large
Cavalry drill and tactics
 See also Horse; Tactics
Cave dwellers
 See also Archaeology
Cave fauna
Cave men *see* Cave dwellers
Caves
 See also Catacombs; Cave dwellers; Cave fauna; Chultunes
Ceilings
 See also Mural painting and decoration; Plaster and plastering
Celebrations *see* Anniversaries; Festivals; Holidays; *also* names of cities, subheads
 Centennial celebrations, etc., and Festivals
- Refer from* Christian sociology
- Refer from* Catholic emancipation; England—Religious history
- Refer from* France—Religious history; Gallican church (s)
- Refer from* Catholic church in England; Emancipation (s); Religious liberty
Refer from Literature; Religious literature
- Refer from* Carnivora; Cat (s); Domestic animals; Pets
- Refer from* Cows; Dairying; Domestic animals; Live stock; Oxen; Ungulata
- Refer from* Animals—Diseases; Veterinary medicine
- Refer from* Aryans
- Refer from* Elections; Nominations; Primaries
- Refer from* Cause and effect (s); Final cause (s); God; Metaphysics; Philosophy
- Refer from* Military art and science
- Refer from* Cavalry; Drill (military); Military art and science; Tactics
- Refer from* Anthropology; Archaeology; Cave men (s); Caves; Ethnology; Man—Origin and antiquity; Troglodytes (s)
Refer from Caves; Zoology
- Refer from* Archaeology; Grottoes (s); Physical geography; Speleology (s)
- Refer from* Architecture; Building; Plaster and plastering; Roofs

Celestial mechanics *see* Mechanics, Celestial

Celibacy

See also Bachelors; Monasticism; Spin-
sters

Cell, Voltaic, *see* Electric batteries

Cello *see* Violoncello

Cells

See also Biology; Botany — Embryology;
Botany, Structural; Embryology; Histology;
Karyokinesis; Osmosis; Physiological chem-
istry; Protoplasm; Protozoa; Regeneration
(biology)

Celluloid

See also Cellulose; Guncotton

Cellulose

See also Celluloid; Guncotton; Paper;
Wood pulp

Celtic folklore *see* Folklore, Celtic

Celtic languages

See also Aryan languages; Cornish lan-
guage; Gaelic language; Irish language;
Welsh language

Celtic legends *see* Legends, Celtic

Celtic literature

See also Bards; Gaelic literature; Irish
literature (Celtic); Welsh literature

Celtic mythology *see* Mythology, Celtic

Celts

See also Aryans; Britons; Druids; Folk-
lore, Celtic; Gauls; Legends, Celtic; Picts

Cement

See also Adhesives; Building materials;
Concrete; Geology, Economic; Glue; Lime;
Pavements; Stucco

Cemeteries

See also Burial; Catacombs; Eminent
domain; Epitaphs; Landscape gardening;
Tombs; *also* names of cities, subhead
Cemeteries

—National

Cenozoic era *see* Geology, Stratigraphic —
Cenozoic; Paleontology — Cenozoic

Censorship of the press *see* Liberty of the
press; Prohibited books

Census

See also Statistics; Tabulating machines;
Vital statistics; *also* names of countries,
and cities, subhead Census

Centenarians *see* Longevity

Centennials *see* names of cities, subhead
Centennial celebrations, etc.

Central power stations *see* Power plants

Central states *see* Middle states

Centralization of schools *see* Schools — Cen-
tralization

Centrifugal fans *see* Fans, Mechanical

Centrifugal force

See also Gravitation

Refer from Catholic church; Catholic church
— Clergy; Chastity; Church history; Church
polity; Clergy; Marriage; Monasticism;
Priests; Theology

Refer from Biology; Botany; Botany —
Embryology; Botany, Structural; Cytology(s);
Embryology; Histology; Morphology; Physi-
ological chemistry; Protoplasm; Regener-
ation (biology); Zoology

Refer from Cellulose; Chemistry, Technical;
Guncotton

Refer from Celluloid; Chemistry, Technical;
Guncotton; Paper; Plants — Chemistry and
nutrition; Wood pulp

Refer from Aryan languages; Cornish lan-
guage; Gaelic language; Irish language; Kel-
tic languages (s); Welsh language

Refer from Bards; Gaelic literature (s);
Gaelic literature; Irish literature (Celtic);
Keltic literature (s); Literature; Welsh litera-
ture

Refer from Aryans; Britons; Druids;
Gauls (s); Gauls; Kelts (s); Picts

Refer from Adhesives; Building materials;
Chemistry, Technical; Concrete; Geology,
Economic; Hydraulic cement (s); Lime;
Masonry; Mortar (s); Portland cement (s);
Slag; Stucco

Refer from Archaeology; Burial; Burying
grounds (s); Churchyards (s); Eminent do-
main; Graves (s); Graveyards (s); Hygiene,
Public; Landscape gardening; Municipal im-
provement; Sanitation; Tombs

Refer from National cemeteries (s)

Refer from Population; Statistics; Vital
statistics

Refer from Force and energy

Cephalopoda

See also Mollusks

Ceramics *see* Pottery

Cereal foods *see* Cereals, Prepared

Cereals *see* Cereals, Prepared; Grain

Cereals, Prepared

Cerebral hemorrhage *see* Apoplexy

Cerebrospinal meningitis *see* Meningitis

Ceremonies *see* Etiquet; Manners and customs; Rites and ceremonies

Certainty

See also Belief; Faith; Probabilities; Truth

Certificates, Teachers', *see* Teachers — Examinations and certificates

Cervidae *see* Deer

Cetacea

See also Mammals; Whales

Chafing dish

Chain belting *see* Belting

Chained books

Chains

See also Machine design

Chair caning

Chairs

See also Chair caning; Furniture

Chalcography *see* Engraving

Chalk

See also Limestone

Chalk talks

Challenger expedition, 1872-1876

Chamber music

Chambers of commerce *see* Boards of trade

Chance

See also Probabilities

Chancellors, Lord

Chancery

See also Equity

Chanteys *see* Sailors' songs

Chanties *see* Sailors' songs

Chanting

See also Chants; Singing and voice culture

Chants

See also Anthems; Chanting; Choral music; Church music; Hymns

Chap-books *see* Chapbooks

Chapbooks

See also Ballads

Chapels

See also Church architecture

Character

See also Christian life and character; Conduct of life, and references under that subject; Ethics; Graphology; Ideals; In-

Refer from Mollusks

Refer from Breakfast foods (s); Breakfasts; Cereal foods (s); Cereals (s); Cookery; Food; Prepared cereals (s)

Refer from Belief; Conviction (s); Evidence; Faith; Intellect; Logic; Philosophy; Truth

Refer from Mammals; Marine zoology; Whales

Refer from Cookery

Refer from Books

Refer from Cables; Machine design; Manufactures

Refer from Caning of chairs (s); Chairs; Industrial arts

Refer from Furniture

Refer from Geology, Economic; Limestone

Refer from Drawing; Lectures and lecturing

Refer from Scientific expeditions

Refer from Instrumental music; Music

Refer from Fortune (s); Luck (s); Philosophy; Probabilities

Refer from Biography; Judges; Lawyers; Lord chancellors (s); Ministers of state

Refer from Courts; Equity; Law; Pleading and practice

Refer from Chants; Singing and voice culture

Refer from Anthems; Catholic church — Liturgy and ritual; Chanting; Choral music; Church music; Gregorian chant (s); Gregorian music (s); Music; Plain chant (s); Plain song (s); Plainsong (s)

Refer from Ballads; Chap-books (s); Folklore; Literature; Periodicals

Refer from Church architecture

Refer from Christian life and character; Conduct of life; Ethics; Moral education; Psychology; Temperament

dividuality; National characteristics; Palmistry; Personality; Phrenology; Physiognomy; Temperament
Character reading *see* Fortune telling; Graphology; Palmistry; Phrenology; Physiognomy; Psychometry (character reading, etc.)

Characteristics, National, *see* National characteristics

Charades

See also Amateur theatricals; Puzzles

Charcoal

See also Animal charcoal

Charcoal drawing

Chariots

Charitable societies

See also Charities; Charity organization; Humane societies

Charities

See also Almshouses; Asylums; Blind — Asylums and education; Charitable societies; Charity organization; Charity schools; Children — Charities, protection, etc.; City missions; Crèches; Deaf and dumb — Asylums and education; Dispensaries; Farm colonies; Flower missions; Fresh air charity; Friendly visiting; Hospitals; Insane hospitals; Jews — Charities; Mortmain; Nurses and nursing; Orphans and orphan asylums; Outdoor relief; Philanthropy; Poor; Poor laws; Ragged schools; Salvation army; Sisterhoods; Sisters of charity; Social settlements; Social work; Vacant lot cultivation; *also* names of cities, subheads Charities and Poor

—Medical

See also Blind — Asylums and education; Deaf and dumb — Asylums and education; Dispensaries; Hospitals; Inebriate asylums; Insane hospitals; Missions, Medical

—U. S.

See also U. S. — Hospitals and asylums

Charity

See also Altruism; Charities; Friendly visiting; Kindness; Love

Charity, Sisters of, *see* Sisters of charity

Charity organization

See also Charitable societies; Charities

Charity schools

See also Orphans and orphan asylums; Ragged schools

Charlatanry *see* Quacks and quackery

Charlemagne — Romances

Charms

See also Amulets; Birth stones; Swastika; Witchcraft

Refer from Amateur theatricals; Amusements; Drama; Puzzles; Riddles

Refer from Carbon; Fuel

Refer from Drawing

Refer from Archaeology; Carriages; Military art and science; Vehicles

Refer from Benevolent societies (s); Charities; Charity organization; Humane societies; Philanthropy; Societies

Refer from Almshouses; Asylums; Charitable societies; Charity; Charity organization; Dependent classes (s); Economics; Friendly visiting; Gifts; Homes (institutions) (s); Hospitals; Institutions, Charitable and philanthropic (s); Outdoor relief; Philanthropy; Poor; Public institutions (s); Reform; Relief work (s); Social problems; Social work; Sociology

Refer from Dispensaries; Medical charities (s); Medicine

Refer from U.S. — Charities (s)

Refer from Almsgiving (s); Begging; Benevolence (s); Conduct of life; Ethics; Giving (s); Love, Philanthropy

Refer from Associated charities (s); Charitable societies; Charities; Organized charity (s)

Refer from Charities; Children — Charities, protection, etc.; Education; Free schools (s); Orphans and orphan asylums; Schools

Refer from French literature; Middle ages — Literature; Romances

Refer from Amulets; Demonology; Evil eye; Folklore; Superstition; Talismans (s); Witchcraft

Charters

See also Archives; Corporations; Magna charta; Municipal franchises; *also* names of colonies, states, cities, etc., subhead Charters

Chartism

Chartography *see* Charts; Maps

Charts

See also Maps

Chase, The, *see* Hunting

Chastity

See also Celibacy

Chateaux *see* Castles

Chattel mortgages *see* Mortgages

Chattels *see* Personal property; Property

Checkers**Checkreins**

See also Harness

Checks

See also Banks and banking

Cheerfulness

See also Happiness; Optimism

Cheese

See also Dairy bacteriology; Dairy products; Dairying

Cheirognomy *see* Palmistry

Cheiromancy *see* Palmistry

Cheiroptera *see* Bats

Cheirosophy *see* Palmistry

Chemical affinity

See also Chemical reaction

Chemical analysis *see* Chemistry — Analysis; *also* subhead Analysis under special subjects, e.g. Water — Analysis

Chemical apparatus

See also Blowpipe; Chemistry — Laboratory manuals

Chemical effects of light *see* Photochemistry

Chemical elements

See also Atomic weights; Metals; Periodic law; Valency; *also* names of elements, e.g. Argon, Arsenic, Carbon, Helium, Nitrogen, Oxygen, Radium, Sulphur

Chemical engineering

See also Chemistry, Technical; Drying; Metallurgy; Waste products

Chemical geology *see* Geochemistry; Geology, Economic; Mineralogy; Rocks

Chemical industries *see* Chemistry, Technical

Chemical instruments *see* Chemical apparatus

Chemical reaction

See also Chemical affinity; Reagents

Chemical reagents *see* Reagents

Chemical societies

Chemical technology *see* Chemistry, Technical

Refer from Archives; Deeds; Documents (s); Government; History — Sources; Law; Manuscripts; Municipal charters (s); Municipal government; Paleography

Refer from England — History — Victorian period; Labor and laboring classes — England

Refer from Cartography (s); Chartography (s); Hydrography; Maps

Refer from Ethics; Marriage; Purity (s); Sexual ethics; Virtue; Women

Refer from Draughts (s); Games

Refer from Animals — Treatment; Bearing reins (s); Driving; Harness; Horse

Refer from Banks and banking; Money

Refer from Conduct of life; Contentment; Ethics; Gladness (s); Happiness; Optimism

Refer from Dairy bacteriology; Dairy products; Dairying; Milk

Refer from Affinity, Chemical (s); Chemical reaction; Chemistry, Physical

Refer from Chemical instruments (s); Chemistry — Apparatus (s); Chemistry — Laboratory manuals; Scientific apparatus and instruments

Refer from Elements, Chemical (s)

Refer from Chemistry, Technical; Engineering; Engineering, Chemical (s); Industrial arts; Industrial chemistry (s); Metallurgy

Refer from Chemical affinity; Chemistry, Physical; Reaction, Chemical (s); Reagents

Refer from Scientific societies

Chemistry

See also Acids; Agricultural chemistry; Air; Alchemy; Alkalies; Assaying; Atomic theory; Atomic weights; Atoms; Catalysis; Color; Combustion; Condensation; Crystallography; Dissociation; Electrochemistry; Evaporation; Fermentation; Fire; Gases; Geochemistry; Ions; Metallurgy; Microchemistry; Mineralogy; Molecules; Periodic law; Pharmacy; Photochemistry; Photographic chemistry; Physics; Physiological chemistry; Plants — Chemistry and nutrition; Poisons; Radioactivity; Reagents; Receipts; Salts; Sanitary chemistry; Solution (chemistry); Spectrum analysis; Stereochemistry; *also* headings beginning Chemical, and names of chemical elements and substances

—Agricultural, *see* Agricultural chemistry

—Analysis

See also Adulterations; Assaying; Blowpipe; Electrolysis; Eudiometer; Microchemistry; Mineralogy; *also* names of substances analyzed

—Animal, *see* Physiological chemistry

—Apparatus, *see* Chemical apparatus

—Biological, *see* Physiological chemistry

—Botanical, *see* Plants — Chemistry and nutrition

—Dairy, *see* Agricultural chemistry; Dairy bacteriology

—Domestic, *see* Chemistry, Household

—Experimental, *see* Chemistry — Laboratory manuals

—Forensic, *see* Chemistry, Legal

—History

See also Alchemy; Atomic theory; Chemists

—Household

See also Cleaning; Cookery; Food — Analysis; Food adulteration and inspection; Sanitary chemistry; Sanitation, Household

—Industrial, *see* Chemistry, Technical

—Inorganic

See also Alkalies; Ammonia; Metals; Mineralogy; Rare earths

—Laboratory manuals

See also Chemical apparatus

—Legal

See also Medical jurisprudence; Poisons

—Mathematical, *see* Chemistry, Physical

—Medical, *see* Pharmacy; Physiological chemistry

—Organic

See also Alcohol; Alkaloids; Carbon; Coal; Essences and essential oils; Fermentation; Gas; Physiological chemistry; Plants — Chemistry and nutrition; Proteins

Refer from Acids; Atoms; Gases; Molecules; Natural history; Physics; Salts; Science; Solution (chemistry)

Refer from Adulterations; Analysis (chemistry) (s); Analytical chemistry (s); Blowpipe; Chemical analysis (s); Qualitative analysis (s); Quantitative analysis (s); Titration (s); Volumetric analysis (s)

Refer from Alchemy; Atomic theory; Chemists

Refer from Chemistry, Domestic (s); Food adulteration and inspection; Home economics; Household chemistry (s); Sanitary chemistry; Sanitation, Household

Refer from Alkalies; Inorganic chemistry (s); Metals; Rare earths

Refer from Chemical apparatus; Chemistry, Experimental (s); Experimental chemistry (s); Experiments (s)

Refer from Chemistry, Forensic (s); Forensic chemistry (s); Legal chemistry (s); Medical jurisprudence; Physiological chemistry; Poisons

Refer from Alcohol; Alkaloids; Carbon; Fermentation; Organic chemistry (s); Proteins

Chemistry — Continued

—Pathological, *see* Physiological chemistry

—Pharmaceutical, *see* Pharmacy

—Photographic, *see* Photographic chemistry

Physical

See also Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemical affinity; Chemical reaction; Colloids; Crystallography; Dissociation; Electrochemistry; Electrolysis; Ions; Isomerism; Liquefaction of gases; Liquid air; Melting points; Molecules; Osmosis; Periodic law; Photochemistry; Physics; Radioactivity; Solution (chemistry); Stereochemistry; Thermodynamics; Valency

—Physiological, *see* Physiological chemistry

—Sanitary, *see* Sanitary chemistry

Technical

See also Acetylene; Adulterations; Alcohol, Denatured; Ammonia; Animal products; Baking powder; Boiler scale; Brewing; Celluloid; Cellulose; Cement; Chemical engineering; Clay industries; Coal-tar colors; Coal-tar products; Corrosion and anti-corrosives; Distillation; Dyes and dyeing; Electrochemistry; Essences and essential oils; Explosives; Fermentation; Fireworks; Fuel; Gas; Glass manufacture; Glucose; Glue; Gums and resins; Gunpowder; Gutta-percha; Industrial arts; Ink; Leather; Matches; Metallurgy; Oils and fats; Paint; Paper; Perfumery; Petroleum; Receipts; Rubber; Soap; Sugar; Textile industry and fabrics; Varnish and varnishing; Waste products; Wood distillation

Chemists

See also Chemistry — History; Pharmacists

Chess

Chest

See also Anatomy; Auscultation; Heart; Lungs; Respiratory organs

Chickens *see* Poultry

Chief justices

See also Judges

Child labor

See also Apprentices; Compulsory education; Factory system; Hours of labor; Newsboys; Sweating system

Child life

See also Children in Japan [and in other countries]

Child saving *see* Children — Charities, protection, etc.

Child study

See also Children; Kindergarten; Libraries, Children's; Mothers' clubs; Play; Psychology, Educational; Youth

Childhood *see* Child life; Children

Children

See also Adoption; Birth rate; Boys; Busy work; Child labor; Child life; Child

Refer from Atomic theory; Atomic weights; Atoms; Boiling points; Catalysis; Chemistry; Mathematical (s); Colloids; Dissociation; Electrochemistry; Electrolysis; Liquefaction of gases; Liquid air; Molecules; Osmosis; Periodic law; Photochemistry; Physical chemistry (s); Physics; Solution (chemistry); Stereochemistry; Thermochemistry (s)

Refer from Adulterations; Animal products; Brewing; Chemical engineering; Chemical industries (s); Chemical technology (s); Chemistry, Industrial (s); Clay industries; Coal-tar colors; Coal-tar products; Distillation; Dyes and dyeing; Essences and essential oils; Explosives; Fermentation; Gas; Glass manufacture; Glucose; Gums and resins; Industrial arts; Industrial chemistry (s); Leather; Manufactures; Metallurgy; Oils and fats; Paint; Perfumery; Soap; Sugar; Technical chemistry (s); Technology; Textile industry and fabrics

Refer from Chemistry — History; Pharmacists; Scientists

Refer from Games

Refer from Anatomy; Breathing

Refer from Biography; Judges; Justices (s); Lawyers

Refer from Boys; Children; Children — Charities, protection, etc.; Children — Employment (s); Children — Law; Compulsory education; Factory laws; Factory system; Girls; Hours of labor; Labor and laboring classes; Social problems; Sweating system

Refer from Childhood (s); Children

Refer from Children; Education; Kindergarten; Mothers' clubs; Psychology; Psychology, Educational; School children; Teaching

Refer from Boys; Child study; Childhood (s); Conduct of life; Education; Family;

Children—Continued

study; Education, Elementary; Eugenics; Family; Fathers; Foundlings; Girls; Heredity; Home; Home education; Illegitimacy; Infants; Juvenile delinquency; Kindergarten; Libraries, Children's; Mothers; Orphans and orphan asylums; Parents; Play; Playgrounds; Precocity; Prenatal influences; School children; Sunday schools; Twins; Youth; *also* headings beginning Children, Children's

—Abnormal and backward

See also Auxiliary schools; Defectives; Feeble-minded; Idiocy

—Anecdotes and sayings

—Backward, *see* Children, Abnormal and backward

—Care and hygiene

See also Children — Diseases; Children — Management; Infants — Care and hygiene; Medical inspection of schools; Nurses and nursing; School hygiene; School lunches

—Charities, protection, etc.

See also Charity schools; Child labor; Crèches; Foundlings; Fresh air charity; Humane societies; Orphans and orphan asylums; Playgrounds

—Diseases

See also Children — Care and hygiene; Cholera infantum; Croup; Diphtheria; Diseases (s); Measles; Scarlet fever

—Education, *see* Education, Elementary; Home education; Kindergarten; *also* headings beginning School

—Employment, *see* Child labor

—Health, *see* Children — Care and hygiene

—Law

See also Child labor; Curfew law; Factory laws; Juvenile courts; Juvenile delinquency; Labor laws

—Management

See also Corporal punishment; Moral education

—Training, *see* Children — Management Children in art *see* Children in literature and art

Children in Japan

See also Japan — Social life and customs

Children in literature and art

See also Children in poetry

Children in poetry

See also Children in literature and art

Children's books *see* Children's literature

Children's courts *see* Juvenile courts

Girls; Home; Home education; Infants; Kindergarten; Mothers; Parents; Sociology; Women; Young people (s); Youth

Refer from Abnormal children (s); Auxiliary schools; Backward children (s); Children, Backward (s); Defectives; Education, Elementary; Feeble-minded; Idiocy; Juvenile delinquency; Mentally deficient children (s); School children

Refer from Anecdotes; Children's sayings (s)

Refer from Children — Health (s); Children — Diseases; Diet; Hygiene; Infants — Care and hygiene; Nurses and nursing; Pediatrics (s)

Refer from Charities; Child saving (s); Dependent children (s); Foundlings; Humane societies; Orphans and orphan asylums; Poor

Refer from Children — Care and hygiene; Children's diseases (s); Infants — Diseases (s); Medicine — Practice; Pediatrics (s)

Refer from Children — Care and hygiene; Children — Training (s); Home training (s); Management of children (s); Moral education

Refer from Child life; Japan — Social life and customs

Refer from Art; Children in art (s); Children in poetry; Literature

Refer from Children in literature and art; Poetry; Poetry of childhood (s)

Children's crusade, 1212

See also Crusades

Children's diseases *see* Children — Diseases

Children's libraries *see* Libraries, Children's

Children's literature

See also Children's poetry; Fairy tales; Fiction in libraries; Kindergarten — Stories; Libraries, Children's; Libraries and schools; Picture books; School libraries; Sunday school libraries

Children's parties

Children's periodicals

Children's poetry

See also Children's literature; Children's songs; Nursery rhymes

Children's sayings *see* Children — Anecdotes and sayings

Children's sermons

Children's songs

See also Kindergarten — Games and songs; Nursery rhymes

Chills and fever *see* Malaria

Chimes and chiming

See also Bells

Chiming *see* Chimes and chiming

Chimney sweeping

Chimneys

See also Chimney sweeping; Fireplaces; Heating; Smoke; Ventilation

China (porcelain) *see* Pottery

China painting

See also Arts and crafts; Pottery

Chinaware *see* Pottery

Chinch bugs

See also Hemiptera

Chinese immigration *see* Chinese in the U. S. [and in other countries]

Chinese in the U. S.

Chinese-Japanese war, 1894-1895

See also China — History; Japan — History

Chinese language

See also Oriental languages

Chinese literature

See also Oriental literature

Chinese philosophy *see* Philosophy, Chinese

Chinese question *see* Eastern question (Far East); China — Foreign relations; China — History; Chinese in the U. S.

Chinese scale *see* San José scale

Chinese shadows *see* Shadow pantomimes

Chinook jargon

Chiromnomy *see* Palmistry

Chiromnomy *see* Penmanship; Writing

Chiromancy *see* Palmistry

Chiropody

Chiroptera *see* Bats

Chirosophy *see* Palmistry

Refer from Crusades

Refer from Books and reading; Books and reading — Best books; Children's books (s); Children's poetry; Fiction in libraries; Juvenile literature (s); Libraries, Children's; Libraries and schools; Literature; Schools and libraries (s); Stories (s)

Refer from Entertaining; Parties (s)

Refer from Periodicals

Refer from Children's literature; Nursery rhymes; Poetry; Poetry of childhood (s)

Refer from Sermons

Refer from Children's poetry; Songs

Refer from Bells; Chiming (s); Church music; Ringing (s)

Refer from Chimneys; Sweeping

Refer from Architecture; Building; Fireplaces; Fires; Heating; Ventilation

Refer from Arts and crafts; Decoration and ornament; Painting; Pottery

Refer from Hemiptera; Insects, Injurious and beneficial

Refer from Chinese immigration (s); Chinese question (s); Race problems — U. S.; U. S. — Foreign population; U. S. — Foreign relations — China

Refer from China — History; Eastern question (Far East); Japan — History

Refer from Oriental languages

Refer from Oriental literature

Refer from Indians — Languages

Refer from Foot

Chivalry

See also Arthurian romances; Civilization, Medieval; Crusades; Courts of love; Feudalism; Heraldry; Honor; Knights and knighthood; Malta, Knights of; Middle ages; Romances; Templars; Teutonic knights; Tournaments

Chloroform

See also Anesthetics

Chocolate

See also Beverages; Cocoa

Choice of books *see* Books and reading

Choice of profession *see* Profession, Choice of

Choirs

See also Church music; Conducting (music); Singing and voice culture

Cholera, Asiatic**Cholera infantum****Choral music**

See also Chants; Church music. For scores *see* Choruses and part songs

Choral societies

See also Musical societies

Choruses and part songs

See also Anthems; Glee

Chouans

See also Vendean war

Christ *see* Jesus Christ

Christadelphians

Christendom *see* Christianity; Church history; History

Christening *see* Baptism

Christian antiquities

See also Architecture, Gothic; Baptism; Bible — Antiquities; Burial; Catacombs; Christian art and symbolism; Church architecture; Church furniture; Church vestments; Fasts and feasts; Funeral rites and ceremonies; Lord's supper; Marriage; Relics; Rites and ceremonies; Shrines; Tombs

Christian art and symbolism

See also Art; Bible — Pictorial illustrations; Catacombs; Cathedrals; Christian antiquities; Church architecture; Church decoration and ornament; Church furniture; Church vestments; Cross; Emblems; Jesus Christ in art; Madonnas; Rites and ceremonies; Saints in art; Sarcophagi

Christian biography

See also Apostles; Apostolic fathers; Archbishops; Bishops; Cardinals; Clergy — Biography; Fathers of the church; Hermits; Martyrs; Missionaries; Monasticism; Pilgrim fathers; Popes — Biography; Preachers; Puritans; Reformers; Saints; *also* names of churches. subhead Biography

Refer from Civilization, Medieval; Crusades; Feudalism; Heraldry; Knight-errantry (s); Knights and knighthood; Middle ages; Middle ages — Social life and customs; Religious orders; Templars; Tournaments

Refer from Anesthetics

Refer from Beverages; Cocoa; Confectionery; Food

Refer from Boy choirs (s); Church music; Conducting (music); Music; Singing and voice culture

Refer from Asiatic cholera (s); Contagion and contagious diseases; Epidemics; Medicine — Practice; Tropics — Diseases and hygiene
Refer from Children — Diseases

Refer from Chants; Church music; Music; Vocal music (s)

Refer from Musical societies; Singing and voice culture; Singing societies (s)

Refer from Choral music; Glee; Music — Scores; Part songs (s); Quartets, Vocal (s); Songs

Refer from French revolution; Vendean war

Refer from Brothers of Christ (s); Millennium; Second advent; Sects

Refer from Archaeology; Bible — Antiquities; Christian art and symbolism; Church antiquities (s); Church ceremonies (s); Church polity; Ecclesiastical antiquities (s); Rites and ceremonies

Refer from Archaeology; Architecture; Art; Art, Christian (s); Christian antiquities; Christian symbolism (s); Church architecture; Church decoration and ornament; Cross; Ecclesiastical art (s); Emblems; Iconography (s); Jesus Christ in art; Madonnas; Painting; Religious art (s); Sacred art (s); Saints in art; Symbolism

Refer from Biography; Church biography (s); Ecclesiastical biography (s); Martyrs; Missionaries; Religious biography (s)

Christian character *see* Christian life and character

Christian church (Disciples) *see* Disciples of Christ

Christian doctrine *see* Theology

Christian education *see* Religious education

Christian era

Christian ethics

See also Christian life and character; Conscience; Ethics; Sin; Social ethics

Christian evidences *see* Christianity — Evidences

Christian life and character

See also Character; Christian ethics; Christian work; Conduct of life; Conversion; Devotional exercises; Faith; Goodness; Monasticism; Prayer; Religious education; Revivals; Sanctification; Spiritual life

Christian names *see* Names, Personal

Christian perfection *see* Sanctification

Christian science

See also Mental healing

Christian socialism

See also Christian sociology

Christian sociology

See also Catholic church — Social relations; Christian socialism; Christian work; Church; Church and education; Church work; Institutional churches; Social ethics; Social problems; Social work

Christian symbolism *see* Christian art and symbolism

Christian union

See also Evangelical alliance

Christian work

See also Christian sociology; Church work

Christian year

See also Advent; Ash Wednesday; Christmas; Easter; Fasts and feasts; Good Friday; Holidays; Holy week; Lent

Christianity

See also Apostles; Bible; Christianity and other religions; Church; Church history, and other headings beginning Church; Civilization, Christian; Deism; God; Jesus Christ; Miracles; Missions; Protestantism; Reformation; Religion; Sects; Socialism and Christianity; Theism; Theology; *also* headings beginning Christian, and names of Christian churches and sects

Refer from Chronology

Refer from Christian life and character; Conscience; Ethics; Ethics, Christian (s); Sin; Social ethics

Refer from Character; Christian character (s); Christian ethics; Christianity, Practical (s); Conduct of life; Conversion; Ethics; Life; Personal religion (s); Practical theology (s); Religion, Personal (s); Religious experience (s); Sanctification; Spiritual life; Theology, Practical (s)

Refer from Absent treatment (s); Faith cure; Mental healing; Mind and body; Sects; Suggestive therapeutics; Therapeutics

Refer from Christian sociology; Church and social problems (s); Socialism; Socialism, Christian (s); Sociology

Refer from Christian socialism; Christian work; Christianity, Practical (s); Christianity and social problems (s); Church; Church and social problems (s); Church work; Religion and sociology (s); Social ethics; Social problems; Social work; Sociology; Sociology, Christian (s)

Refer from Church; Church polity; Church unity (s); Sects; Union, Christian (s)

Refer from Christian life and character; Christian sociology; Church work

Refer from Advent; Calendar; Church calendar (s); Church of England; Church year (s); Fasts and feasts; Holy week; Lent; Protestant Episcopal church in the U. S.

Refer from Bible; Christendom (s); Church; Church history; Deism; God; Jesus Christ; Natural religion; Philosophy; Religion; Religions; Revelation; Sociology; Theism; Theology

Christianity—Continued

—Evidences

See also Bible — Evidences and authority; Miracles; Religion and science

—History, see Church history

—Origin, see Church history — Early church

—Practical, see Christian life and character; Christian sociology

—Primitive, see Church history — Early church

Christianity and other religions

Christianity and science *see* Religion and science

Christianity and social problems *see* Christian sociology

Christianity and socialism *see* Socialism and Christianity

Christmas

See also Carols; Church decoration and ornament; Holidays; Jesus Christ — Birth; Magi; Santa Claus; *also* headings beginning Christmas

Christmas carols *see* Carols

Christmas entertainments

Christmas gifts

Christmas plays

Christmas poetry

See also Carols

Christmas stories

Christology *see* Jesus Christ

Chromatics *see* Color

Chromolithography

See also Color printing; Color prints; Lithography

Chromophotography *see* Color photography

Chromosomes *see* Karyokinesis

Chronograph

See also Astronomical instruments; Photochronograph

Chronology

See also Almanacs; Calendar; Christian era; Time; Year

—Biblical, see Bible — Chronology

—Historical

See also Bible — Chronology; History; *also* names of countries, subhead History — Chronology

Chronophotography *see* Moving pictures

Chultunes

Church

See also Christian sociology; Christian union; Christianity; Institutional churches; *also* headings beginning Church, and names of churches and sects

—Institutional, see Institutional churches

Church accounts *see* Church finance

Church and education

See also Bible in the schools; Catholic church — Education; Church schools; Public schools and religion; Religious education; Theology — Study and teaching

Refer from Apologetics (s); Bible — Evidences and authority; Christian evidences (s); Evidences of Christianity (s); Miracles; Religion

Refer from Christianity; Religions

Refer from Advent; Christian year; Fasts and feasts; Holidays; Jesus Christ — Birth; Santa Claus

Refer from Entertainments; Sunday school entertainments

Refer from Gifts

Refer from Drama

Refer from Poetry; Recitations and readings

Refer from Color; Color printing; Lithography

Refer from Astronomical instruments; Time

Refer from Almanacs; Astronomy; Calendar; Time; Year

Refer from Annals (s); Dates (s); History

Refer from Caves; Yucatan

Refer from Christian sociology; Christianity; Theology

Refer from Bible in the schools; Catholic church — Education; Christian sociology; Church and state; Church schools; Denominational schools (s); Education; Education and church (s); Religion and education (s); Religious education

Church and healing *see* Emmanuel movement;
Medicine and religion

Church and social problems *see* Christian
socialism; Christian sociology; Church work

Church and state

See also Asylum, Right of; Catholic
church; Church and education; Church his-
tory; Church of England — Establishment;
Church polity; Church property; Liberty of
conscience; Popes — Temporal power; Re-
ligious liberty; Socialism and Catholic
church; Socialism and Christianity; Taxa-
tion, Exemption from

Church antiquities *see* Christian antiquities

Church architecture

See also Abbeys; Architecture; Architec-
ture, Gothic; Basilicas; Cathedrals; Chap-
els; Christian art and symbolism; Church
decoration and ornament; Crypts; Mosques;
Orientation (architecture); Spires; Temples;
Towers

Church attendance

Church bells *see* Bells

Church benefices *see* Church property

Church biography *see* Christian biography

Church calendar *see* Christian year; Fasts and
feasts

Church census *see* Church statistics

Church ceremonies *see* Christian antiquities;
Fasts and feasts; Liturgies; Rites and cere-
monies

Church costume *see* Church vestments

Church councils *see* Councils and synods

Church decoration and ornament

See also Christian art and symbolism;
Church furniture; Floral decoration; Rood
screens

Church dedication

Church discipline

See also Absolution; Asceticism; Church
polity; Confession; Excommunication; In-
quisition; Interdict; Monasticism; Penance;
Purgatory; Simony

Church entertainments

See also Entertainments; Sunday school
entertainments

Church extension *see* Church work; Missions

Church fathers *see* Fathers of the church

Church festivals *see* Fasts and feasts

Church finance

See also Church property; Church rates;
Taxation, Exemption from; Tithes

Church furniture

See also Altars; Baptismal fonts; Pulpits;
Rood screens; Shrines

Church government *see* Church polity

Church history

See also Abbeys; Apostolic succession;
Bible; Canonization; Cathedrals; Catholic

Refer from Catholic church; Church history;
Church of England — Establishment; Church
polity; Disestablishment (s); Government;
Liberty of conscience; Persecution; Religious
liberty; State church (s)

Refer from Architecture; Architecture,
Ecclesiastical (s); Architecture, Gothic;
Basilicas; Cathedrals; Chapels; Christian
antiquities; Christian art and symbolism;
Churches (s); Ecclesiastical architecture (s);
Religious art (s); Spires; Temples

Refer from Church statistics; Churchgo-
ing (s); Public worship (s); Sunday; Worship

Refer from Christian art and symbolism;
Christmas; Church architecture; Church orna-
ment (s); Decoration and ornament; Floral
decoration; Interior decoration (s)

Refer from Church polity; Churches (s);
Consecration of churches (s); Dedication of
churches (s); Rites and ceremonies

Refer from Church membership; Church
polity; Discipline, Ecclesiastical (s); Ex-
communication; Penance

Refer from Church sociables (s); Church
work; Entertainments; Sociables (s); So-
cials (s); Sunday school entertainments

Refer from Church accounts (s); Church
property; Church rates; Finance; Tithes

Refer from Altars; Baptismal fonts; Chris-
tian antiquities; Christian art and symbolism;
Church decoration and ornament; Ecclesias-
tical furniture (s); Furniture; Pulpits

Refer from Bible; Catholic church — His-
tory; Christendom (s); Christianity; Chris-

Church history—Continued

church—History; Celibacy; Christianity; Church and state; Church law; Church polity; Convents and nunneries; Councils and synods; Creeds; Dissenters; Eastern churches; Episcopacy; Fathers of the church; Flagellants; Heresy; Huguenots; Inquisition; Jesuits; Jews; Martyrs; Miracles; Missions; Monasticism; Persecution; Popes—History; Protestantism; Reformation; Religious liberty; Religious orders; Revivals; Sects; Sisterhoods; Theology [for history of doctrines]; *also* headings beginning Christian, names of sects, churches, councils, etc., and names of countries and cities, subhead Religious history

—Early church

See also Arianism; Bible—New Testament—Apocryphal books; Catacombs; Donatists; Fathers of the church; Pelagianism

—Early church—Apostolic

See also Apostles; Apostolic fathers; Bible—New Testament

—Middle ages

See also Albigenses; Crusades; Flagellants; Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417; Waldenses

—Reformation, *see* Reformation

—Modern

See also Covenanters; Dissenters; Jansenists; Reformation

Church law

See also Apostolic canons; Apostolic constitutions; Asylum, Right of; Benefit of clergy; Church history; Church polity; Church property; Councils and synods; Divorce; Marriage; Simony; Tithes; *also* names of churches, subhead Government

Church membership

See also Baptism; Church discipline; Church polity; Church statistics; Close communion; Confirmation; Covenants; Creeds; Lord's supper

Church music

See also Anthems; Bible—Music; Carols; Chants; Chimes and chiming; Choirs; Choral music; Hymns; Liturgies; Missals; Masses; Oratorios; Organ music

Church of Christ (Disciples) *see* Disciples of Christ

Church of Christ of latter-day saints *see* Mormons and Mormonism

Church of England

See also Anglican communion; Apostolic succession; Cathedrals; Catholic church; Christian year; Confirmation; Dissenters; England—Religious history; Episcopacy; Fasts and feasts; Nonjurors; Oxford movement; Protestant Episcopal church in the U. S.; Puritans; Ritualism; Sacraments; Sisterhoods

tianity—History (s); Church and state; Church law; Church polity; Councils and synods; Ecclesiastical history (s); Heresy; History; Martyrs; Popes—History; Reformation; Religious history (s); Sacred history (s); Theology

Refer from Arianism; Catacombs; Christianity—Origin (s); Christianity, Primitive (s); Donatists; Early church (s); Fathers of the church; Pelagianism; Primitive Christianity (s)

Refer from Apostles; Apostolic church (s); Apostolic fathers; Bible—New Testament

Refer from Middle ages—History; Popes—Temporal power; Schism, The great western, 1378–1417

Refer from Canon law (s); Church history; Church polity; Ecclesiastical law (s); Law

Refer from Church polity; Confirmation; Lord's supper

Refer from Anthems; Chants; Choirs; Choral music; Church services; Devotional exercises; Hymns; Music; Organ music; Psalmody (s); Sacred music (s); Songs; Vocal music (s); Worship

Refer from Anglican church (s); Anglican communion; Dissenters; England, Church of (s); England—Religious history; Episcopacy; Episcopal church (s); Nonjurors; Protestant Episcopal church in the U. S.; Puritans; Sects

Church of England—Continued

—**Articles of religion**

—**Biography**

See also Archbishops; Bishops; Church of England—Clergy

—**Canons, *see* Church of England—Government**

—**Catechisms and creeds**

See also Apostles' creed; Athanasian creed; Church of England—Articles of religion; Nicene creed

—**Clergy**

See also Apostolic succession; Archbishops; Bishops; Church of England—Directories; Episcopacy; Priests

—**Constitution, *see* Church of England—Government**

—**Convocations**

—**Creeds, *see* Church of England—Catechisms and creeds**

—**Dioceses**

See also names of dioceses

—**Directories**

See also Church of England—Yearbooks

—**Doctrinal and controversial works**

See also Marprelate controversy

—**Establishment**

See also Church and state

—**Finance**

See also Church rates; Tithes

—**Government**

See also Church of England—Royal supremacy

—**History**

See also England—Religious history; also names of dioceses

—**Liturgy and ritual**

See also Ritualism

—**Missions**

—**Ritual, *see* Church of England—Liturgy and ritual**

—**Royal supremacy**

—**Thirty-nine articles, *see* Church of England—Articles of religion**

—**Yearbooks**

Church of Jesus Christ of latter-day saints *see* Mormons and Mormonism

Church of Scotland

See also Covenanters; Presbyterian church; Presbyterianism; Reformation—Scotland; Scotland—Religious history

Church of the New Jerusalem *see* New Jerusalem church

Church ornament *see* Church decoration and ornament

Church polity

See also Absolution; Apostolic succession; Asceticism; Baptism; Benefit of clergy;

Refer from Articles, Thirty-nine (s); Church of England—Catechisms and creeds; Church of England—Thirty-nine articles (s); Thirty-nine articles (s)

Refer from Church of England—Creeds (s)

Refer from Apostolic succession; Archbishops; Bishops; Church of England—Biography

Refer from Church of England—Clergy

Refer from Church and state; Disestablishment (s); State church (s)

Refer from Church of England—Canons (s); Church of England—Constitution (s)

Refer from England—Religious history

Refer from Church of England—Ritual (s); Liturgies; Ritualism
Refer from Missions

Refer from Church of England—Government; Royal supremacy (Church of England) (s)

Refer from Church of England—Directories

Refer from Covenanters; Presbyterian church; Presbyterianism; Reformation—Scotland; Scotland—Religious history; Sects

Refer from Bishops; Church and state; Church discipline; Church government (s);

Brotherhoods; Cardinals; Celibacy; Christian antiquities; Christian union; Church and state; Church dedication; Church discipline; Church history; Church law; Church membership; Church property; Church rates; Clergy; Confession; Confirmation; Congregationalism; Councils and synods; Covenants; Deaconesses; Deacons; Episcopacy; Excommunication; Fasts and feasts; Free churches; Indulgences; Interdict; Liberty of conscience; Lord's supper; Methodism; Monasticism; Ordination; Penance; Popes; Preaching; Presbyterianism; Priests; Religious orders; Rites and ceremonies; Ritualism; Sacraments; Sisterhoods; Sunday; Tithes; Worship; *also* names of churches, subhead Government

Church property

See also Church finance; Convents and nunneries; Monasteries; Taxation, Exemption from

Church rates

See also Church finance; Tithes

Church schools

See also Church and education

Church services

See also Church music; Devotional exercises; Liturgies; Prayer meetings; Responsive worship; Worship

Church settlements *see* Social settlements

Church sociables *see* Church entertainments

Church statistics

See also Church attendance

Church unity *see* Christian union

Church vestments

See also Costume

Church work

See also Christian sociology; Christian work; Church entertainments; City missions; Deaconesses; Evangelistic work; Institutional churches; Missions; Pastoral work; Revivals; Social settlements; Sunday; Sunday schools

Church year *see* Christian year

Churches *see* Church architecture; Church dedication; Free churches; *also* individual churches, and names of cities, subhead Churches

Churchgoing *see* Church attendance

Churchyards *see* Cemeteries

Cicadas

See also Hemiptera

Church history; Church law; Church membership; Congregationalism; Ecclesiastical polity (s); Theology

Refer from Church and state; Church benefices (s); Church finance; Church law; Church polity; Property; Real estate; Taxation, Exemption from

Refer from Church finance; Church of England — Finance; Church polity; Dissenters; Tithes

Refer from Catholic church — Education; Church and education; Denominational schools (s); Diocesan schools (s); Parish schools (s); Parochial schools (s); Religious education; Schools

Refer from Devotional exercises; Liturgies; Public worship (s); Religious services (s); Worship

Refer from Church census (s); Church membership; Ecclesiastical statistics (s); Statistics

Refer from Christian antiquities; Christian art and symbolism; Church costume (s); Costume; Ecclesiastical costume (s); Ecclesiastical vestments (s); Regalia; Vestments (s)

Refer from Christian sociology; Christian work; Church and social problems (s); Church extension (s); Institutional churches

Refer from Hemiptera; Insects, Injurious and beneficial; Locusts; Seventeen-year locusts (s)

Cider

See also Beverages

Cigarettes

See also Smoking

Cigars

See also Cigarettes; Smoking; Tobacco

Cinematics *see* Kinematics**Cinematograph** *see* Moving pictures**Cipher codes** *see* Telegraph codes**Ciphers**

See also Abbreviations; Telegraph; Telegraph codes; Writing

Circle

See also Geometry

Circle-squaring

See also Geometry

Circulating libraries *see* Libraries**Circulation of the blood** *see* Blood**Circulatory system** *see* Vascular system**Circumcision**

See also Jews — Religion

Circumnavigation *see* Voyages and travels around the world**Circumstantial evidence** *see* Evidence**Circus**

See also Acrobats; Animals — Training; Clowns; Menageries

Cistercians

See also Benedictines; Monasticism; Trappists

Cities

See also Boroughs; City and country; City life; Garden cities; Hanseatic league; Housing problem; Markets; Municipal government, and other headings beginning Municipal; Parks; Slums; Street cleaning; Street cries; Streets; Towns

— Planning and laying out

See also Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement; *also* names of cities, subhead Public buildings

Citizenship

See also Aliens; Allegiance; Civil rights; Education and citizenship; Expatriation; Government; Naturalization; Patriotism; Political ethics; School city

City and country

See also City life; Country life; Farm life

City gardens *see* Vacant lot cultivation**City government** *see* Municipal government**City improvement** *see* Municipal improvement**City life**

See also Bohemianism; City and country

City missions**City planning** *see* Cities — Planning and laying out**Civic art** *see* Municipal art**Civic centers** *see* Municipal centers**Civic improvement** *see* Municipal improvement

Refer from Apple; Beverages

Refer from Cigars; Smoking; Tobacco

Refer from Smoking; Tobacco

Refer from Abbreviations; Contractions (s); Cryptography (s); Cyphers (s); Secret writing (s); Sign language; Writing

Refer from Curves; Geometry

Refer from Geometry; Quadrature of the circle (s); Squaring of the circle (s)

Refer from Jews; Jews — Religion

Refer from Amusements; Clowns; Hippodrome (s); Menageries

Refer from Benedictines; Monasticism; Trappists

Refer from Boroughs; Local government; Municipal corporations; Municipal government; Municipalities (s); Sociology; Towns

Refer from City planning (s); Garden cities; Housing problem; Municipal art; Municipal centers; Municipal improvement

Refer from Aliens; Allegiance; Civics (s); Civil rights; Conduct of life; Elections; Expatriation; Foreigners (s); Government; International law; Naturalization; Patriotism; Political ethics; Public spirit (s); Suffrage

Refer from Cities; City life; Country life; Farm life

Refer from Cities; City and country

Refer from Charities; Church work; Missions, Home; Social settlements

Civics *see* Citizenship; Government; Municipal government; *also* names of countries, subhead Government

Civil engineering

See also Aqueducts; Arches; Blasting; Boring; Breakwaters; Bridges; Building; Canals; Cofferdams; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Embankments; Engineering; Excavation; Foundations; Harbors; Hydraulic engineering; Irrigation; Lighthouses; Masonry; Mechanical engineering; Mensuration; Mining engineering; Piles and pile driving; Public works, and subhead Public works under names of countries and cities; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Steel construction; Streets; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply

Civil government *see* Government

Civil law

See also Law, and references under that subject

Civil liberty *see* Liberty

Civil rights

See also Citizenship; Constitutional law

Civil service

See also Bureaucracy; Campaign funds; Civil service examinations; Civil service pensions; Civil service reform; Nominations

—U. S.

See also Civil service reform; U. S.—Registers

Civil service examinations

Civil service pensions

See also Teachers — Salaries, pensions, etc.

Civil service reform

See also Municipal government — Commission plan; Political corruption

Civil war *see* England — History — Civil war and commonwealth; U. S.—History — Civil war

Civilization

See also Anglo-Saxons; Anthropology; Archaeology; Art; Culture; Degeneration; Education; Ethics; Ethnology; Eugenics; History; History — Philosophy; Industry; Inventions; Latin races; Man; Manners and customs; Migration of nations; Progress; Religions; Renaissance; Social problems; Society, Primitive; Sociology; Teutonic race; Tribes and tribal system; *also* names of countries, subhead Civilization

—Ancient

See also Industries, Primitive; *also* names of countries of antiquity, subhead Civilization

—Aryan

See also Aryans

Refer from Aqueducts; Breakwaters; Bridges; Building; Canals; Curves in engineering; Docks; Dredging; Earthwork; Embankments; Engineering; Engineering, Civil (s); Foundations; Harbors; Irrigation; Railroads — Construction; Roads; Surveying; Tunnels

Refer from Law; Roman law (s)

Refer from Citizenship; Constitutional law; Government; Law; Police power; Rights, Civil (s)

Refer from Administration (s); Government; Government officials (s); Office, Tenure of (s); Politics; Spoils system (s); Tenure of office (s)

Refer from U. S.—Civil service (s); U. S.—Government

Refer from Civil service; Competitive examinations (s); Examinations

Refer from Civil service; Old age pensions; Pensions

Refer from Civil service; Civil service — U. S.; Political corruption; Reform; U. S.—Politics

Refer from Anthropology; Archaeology; Culture; Education; Ethics; Ethnology; Government; History; History — Philosophy; Man; Progress; Social conditions (s); Social science (s); Sociology

Refer from History, Ancient; Industries, Primitive

Refer from Aryan civilization (s); Aryans

Civilization—Continued

—**Christian**

—**History**

—**Medieval**

See also Chivalry; Feudalism

—**Oriental**

—**Pagan**

Claims

See also Alabama claims; French spoliation claims; *also* names of countries, cities and wars, subhead Claims

Clairvoyance

See also Animal magnetism; Hypnotism; Mind reading; Psychical research; Psychometry (character reading, etc.); Thought transference

Clans

See also Highlands of Scotland; Society, Primitive; Tartans; Tribes and tribal system; *also* names of clans

Class day

Class distinction

See also Caste; Equality; Leisure class; Peerage; Precedence

Classical antiquities

See also Archaeology; Art, Greek; Art, Roman; Classical dictionaries; Greece—Antiquities; Mythology, Classical; Rome—Antiquities

Classical biography

See also Greece—Biography; Rome—Biography

Classical dictionaries

Classical education

See also Colleges and universities; Curriculum; Humanism

Classical geography *see* Geography, Ancient

Classical languages *see* Greek language; Latin language

Classical literature

See also Classicism; Greek literature; Latin literature

Classical mythology *see* Mythology, Classical

Classicism

See also Hellenism; Romanticism

Classification

See also Cataloging; Library science; *also* subhead Classification under various subjects, e.g. Botany—Classification

—**Decimal**

—**Expansive**

Clay

See also Bricks; Clay industries; Geology, Economic; Modeling

Refer from Christianity

Refer from Culture, Primitive (s); Primitive culture (s)

Refer from Chivalry; Feudalism; Medieval civilization (s); Middle ages—Civilization (s)

Refer from Oriental civilization (s)

Refer from Pagan civilization (s)

Refer from Finance; International law

Refer from Animal magnetism; Divination; Fortune telling; Mind reading; Psychical research; Second sight; Spiritualism; Thought transference

Refer from Feudalism; Highlands of Scotland; Scotland; Scottish clans (s); Society, Primitive; Tartans; Tribes and tribal system

Refer from Colleges and universities; Commencements; Student life

Refer from Equality; Leisure class; Precedence; Social classes (s); Society; Sociology

Refer from Archaeology; Art, Ancient; Greece—Antiquities; Rome—Antiquities

Refer from Biography; Greece—Biography; Rome—Biography

Refer from Classical antiquities; Dictionaries; History, Ancient; Mythology; Mythology, Classical; Reference books

Refer from Colleges and universities; Curriculum; Education; Education, Classical (s); Education, Higher (s); Higher education (s); Humanism; Humanities (s); Language

Refer from Greek literature; Latin literature; Literature

Refer from Art; Classical literature; Esthetics; Hellenism; Literature; Romanticism

Refer from Bibliography; Books; Cataloging; Library science

Refer from Decimal classification (s); Dewey classification (s)

Refer from Cutter classification (s); Expansive classification (s)

Refer from Bricks; Geology, Economic; Soils

Clay industries

See also Bricks; Chemistry, Technical; Pottery; Tiles

Clay modeling *see* Modeling

Cleaning

See also Bleaching; Drying; Dyes and dyeing; House cleaning; Laundry; Soap; Street cleaning; Sweeping; Vacuum cleaning systems

Cleanliness

See also Baths and bathing; Disinfection and disinfectants; Sanitation

Clearing houses

See also Banks and banking; Exchange; Trust companies

Clearing of land

See also Lumber and lumbering

Clergy

See also Benefit of clergy; Bishops; Celibacy; Monasticism; Ordination; Pastoral work; Preachers; Preaching; Priests; *also* names of churches, subhead Clergy

—Biography**Cliff dwellers and cliff dwellings**

See also Archaeology; Arizona — Antiquities; Mexico — Antiquities

Climate

See also Acclimatization; Cold; Health resorts; Medical geography; Meteorology; Physical geography; Rain; Seasons; Temperature; Weather; *also* names of countries and cities, subhead Climate

Climatology *see* Climate

Climbing plants

See also Botany — Physiology

Clinical medicine *see* Medicine — Practice

Clippings

See also Scrapbooks

Clocks and watches

See also Pendulum; Timekeepers

Cloisonné

See also Enamel

Cloisters *see* Convents and nunneries; Monasteries

Close communion

See also Baptists; Lord's supper

Closed shop *see* Open and closed shop

Cloth *see* Textile industry and fabrics

Clothing

See also Buttons; Consumers' leagues; Costume; Dress reform; Dressmaking; Fur; Garment cutting; Hosiery; Sumptuary laws; Sweating system; Tailoring; Textile industry and fabrics; Toilet; Underwear; Uniforms

Refer from Bricks; Chemistry, Technical; Clay; Industrial arts; Pottery; Tiles

Refer from Bleaching; Chemistry, Household; Dyes and dyeing; Laundry; Sanitary chemistry; Scouring (s)

Refer from Home economics; Hygiene; Sanitation

Refer from Banks and banking; Exchange

Refer from Agriculture; Land; Land clearing (s)

Refer from Church polity; Curates (s); Deacons; Ministers of the gospel (s); Ordination; Parsons (s); Pastoral theology (s); Pastoral work; Pastors (s); Preachers; Priests; Professions; Rectors (s); Theology; Theology, Pastoral (s)

Refer from Biography; Christian biography

Refer from Anthropology; Archaeology; Architecture, Ancient; Arizona — Antiquities; Ethnology; Indians; Mexico — Antiquities; Pueblos

Refer from Acclimatization; Climatology (s); Earth; Ethnology; Health resorts; Hygiene; Medical climatology (s); Medical geography; Meteorology; Physical geography; Temperature; Therapeutics; Weather

Refer from Botany; Botany — Physiology; Plants; Plants, Climbing (s); Vines (s)

Refer from Newspaper clippings (s); Newspapers; Press clippings (s); Quotations; Scrapbooks

Refer from Horology (s); Manufactures; Timekeepers; Watches (s)

Refer from Enamel; Shipho (s)

Refer from Baptism; Baptists; Church membership; Communion (s); Lord's supper

Refer from Costume; Dress (s); Dry goods; Fashion; Hygiene; Manufactures; Textile industry and fabrics

Clouds

See also Meteorology

Clover

Clowns

See also Circus; Fools

Clubs

See also Book clubs; Boys' clubs; Girls' clubs; Mothers' clubs; Neighborhood guilds; Societies; Study clubs; Women's clubs; Working women's clubs; Workingmen's clubs; *also* names of cities, subhead Clubs

Coaches and coaching

See also Carriages; Driving; Omnibuses; Roads

Coaching *see* Coaches and coaching

Coal

See also Briquets; Coal mines and mining; Coal regions; Coal-tar colors; Coal-tar products; Coaling stations; Coke; Gas; Geology, Economic; Lignite

Coal gas *see* Gas

Coal lands *see* Coal regions

Coal mines and mining

See also Anthracite coal strike, 1902; Coal regions; Mine accidents; Miners; Mining engineering, and references under that subject

Coal oil *see* Petroleum

Coal regions

See also Geology, Economic

Coal-tar colors

See also Chemistry, Technical; Dyes and dyeing

Coal-tar products

See also Chemistry, Technical; Coal-tar colors; Distillation; Gas; Oils and fats; Petroleum

Coaling stations

Coast artillery *see* Artillery

Coast changes

See also Erosion; Physical geography

Coast defense

See also Armor plate; Artillery; Mines, Submarine; *also* names of countries, subhead Defenses

Coast pilots *see* Pilot guides

Coasting

See also Tobogganing; Winter sports

Coats of arms *see* Devices; Heraldry

Cobalt

See also Metals

Cocaine

See also Anesthetics; Narcotic habit

Coccidae *see* Scale insects

Cocoa

See also Beverages; Chocolate

Cocoons

See also Silkworms

Refer from Meteorology

Refer from Feeding and feeding stuffs; Forage plants; Grasses; Hay

Refer from Circus; Harlequins (s)

Refer from Corporations; Societies

Refer from Amusements; Carriages; Coaching (s); Driving; Horsemanship; Locomotion; Riding (s); Stage-coaches (s); Vehicles

Refer from Anthracite coal (s); Bituminous coal (s); Carbon; Chemistry, Organic; Fuel; Geology; Geology, Economic; Lignite; Mineralogy

Refer from Coal; Mines and mineral resources

Refer from Coal; Coal lands (s); Coal mines and mining; Geology, Economic

Refer from Aniline colors (s); Chemistry, Technical; Coal; Coal-tar products; Color; Dyes and dyeing

Refer from Chemistry, Technical; Coal; Commercial products; Distillation; Gas; Petroleum

Refer from Coal; Navies; U. S.—Navy

Refer from Erosion; Ocean; Physical geography; Seashore

Refer from Armor plate; Defenses, National (s); Fortification; Harbor defense (s); Military art and science; Military engineering; Sea coast defense (s); U. S.—Defenses

Refer from Sports; Tobogganing; Winter sports

Refer from Metals

Refer from Anesthetics; Narcotic habit

Refer from Agricultural products; Agriculture — Tropics; Beverages; Chocolate

Refer from Insects

Codes, Telegraphic, *see* Telegraph codes
Codling moth

Coeducation

See also Education of women

Coelenterata

See also Corals and coral islands; Invertebrates

Coffee

See also Beverages

Coffee-houses *see* Coffeehouses

Coffeehouses

See also names of cities, subhead Hotels, taverns, etc.

Cofferdams

See also Bridges — Foundations and piers; Foundations; Piles and pile driving

Cog-wheels *see* Gearing

Cogwheels *see* Gearing

Coherers

See also Wireless telegraphy

Coiffure *see* Hairdressing

Coinage

See also Bimetallism; Gold (as money); Legal tender; Mints; Money; Silver (as money)

Coins *see* Coinage; Numismatics

Coke

Cold

See also Frost; Heat; Temperature

Cold (disease)

See also Bronchitis; Catarrh; Cough; Influenza; Respiratory organs — Diseases

Cold storage

See also Food preservation and preservatives; Refrigeration and refrigerating machinery

Coleoptera *see* Beetles

Collaboration

Collecting *see* Collectors and collecting

Collective bargaining *see* Labor unions; Trade agreements

Collectivism *see* Communism; Socialism

Collectors and collecting

See also names of objects collected, e.g. Antiques; Autographs; Book collecting; Plants — Collection and preservation; Postage stamps

Collects *see* Prayer books; Prayers

College athletics

See also Athletics; Baseball; Basketball; Football; Rowing; School athletics; Track athletics

College degrees *see* Degrees, Academic

Refer from Fruit — Diseases and pests; Moths

Refer from Colleges and universities; Education; Education of women; Girls

Refer from Corals and coral islands; Invertebrates; Marine zoology; Polyyps (s)

Refer from Agricultural products; Agriculture — Tropics; Beverages; Cookery; Stimulants

Refer from Coffee-houses (s); Hotels; Inns

Refer from Bridges — Foundations and piers; Civil engineering; Dams; Foundations; Hydraulic engineering; Piles and pile driving

Refer from Electric apparatus and appliances; Electric waves; Wireless telegraphy

Refer from Bimetallism; Bullion (s); Coins(s); Fiat money (s); Free coinage of silver (s); Gold (as money); Mints; Money; Numismatics; Silver (as money)

Refer from Carbon; Coal; Fuel

Refer from Climate; Freezing (s); Frost; Heat; Meteorology; Temperature

Refer from Catarrh; Cough; Influenza; Medicine — Practice; Respiratory organs — Diseases

Refer from Eggs; Food preservation and preservatives; Meat; Preservation of food (s); Refrigeration and refrigerating machinery; Refrigerators (s)

Refer from Authorship; Joint authorship (s); Literary collaboration (s)

Refer from Art; Collecting (s)

Refer from Athletics; Baseball; Basketball; College sports (s); Football; Games; Intercollegiate athletics (s); Physical education; Rowing; School athletics; Sports; Student life; Track athletics

College education, Value of
See also Culture

College entrance requirements

College fraternities *see* Fraternities, College
College gowns *see* Costume, Academic
College libraries *see* Libraries, College
College life *see* Student life
College periodicals *see* Students' periodicals
College plays

College poetry *see* College verse
College sermons

College settlements *see* Social settlements
College songs

College sports *see* College athletics
College stories
See also School stories

College students *see* Student life; Students
College theatricals *see* College plays

College verse
College yells *see* Yells
Colleges and universities

See also Agricultural colleges; Class day;
Classical education; Coeducation; Commencements; Costume, Academic; Curriculum; Degrees, Academic; Education; Education of women; Fraternities, College; Hazing; Medical colleges; Research; Scholarships; Self-government (in education); Student life; Student-volunteer movement; Students; Students' periodicals; Taxation, Exemption from; University extension; Vocational education; *also* headings beginning College

—U. S.

See also Education — U. S.; National university for the U. S.

Collisions (railroad) *see* Railroads — Accidents
Collisions at sea

See also Admiralty; Rule of the road; Salvage; Shipwrecks; Signals; Wireless telegraphy

Colloids

See also Catalysis; Chemistry, Physical

Collotype

See also Heliotype; Photomechanical processes

Colonial architecture *see* Architecture, Colonial

Colonial furniture *see* Furniture, Colonial

Colonial history (U. S.) *see* U. S.—History — Colonial period

Colonial life and customs

See also Architecture, Colonial; Furniture, Colonial; New England — Social life and customs; U. S.—History — Colonial period; *also* names of the thirteen original states and their cities, subhead Social life and customs

Colonial wars *see* U. S.—History — Colonial period

Refer from Culture; Education; Education, Higher (s); Higher education (s)

Refer from Entrance examinations (s); Examinations; High schools

Refer from Amateur theatricals; College theatricals (s); Drama

Refer from Baccalaureate sermons (s); Sermons

Refer from Drinking songs; Student songs (s); Songs

Refer from Fiction; School stories; Student life

Refer from College poetry (s); Poetry

Refer from Classical education; Education; Education, Higher (s); Higher education (s); Schools; Student life; Students; Universities (s)

Refer from Education — U. S.; U. S.—Colleges and universities (s); U. S.—Universities (s)

Refer from Accidents; Admiralty; Disasters; Maritime law; Navigation; Shipwrecks

Refer from Catalysis; Chemistry, Physical; Solution (chemistry)

Refer from Heliotype; Photography; Photomechanical processes

Refer from Frontier and pioneer life; New England — Social life and customs; U. S.—History — Colonial period U. S.—Social life and customs

Colonies and colonization

See also Farm colonies; Frontier and pioneer life; Immigration and emigration; Imperialism; Military government; Penal colonies; *also* U. S.—Insular possessions, and names of other countries, subhead Colonies

Colonization *see* Colonies and colonization

Colonization of negroes *see* Africa — Colonization; Negroes — Colonization

Colophons

See also Title-pages

Color

See also Chromolithography; Coal-tar colors; Dyes and dyeing; Indigo; Light; Painting; *also* headings beginning Color

Color blindness

See also Color sense

Color of animals

See also Albinos and albinism; Color of insects; Mimicry (biology)

Color of flowers

See also Botany — Physiology; Color of plants; Fertilization of plants

Color of insects**Color of man**

See also Albinos and albinism; Hair

Color of plants

See also Botany — Physiology; Color of flowers

Color photography**Color printing**

See also Chromolithography; Color photography; Color prints

Color prints**Color sense**

See also Color blindness

Colored people *see* Negroes

Coloring of metals *see* Metal coloring

Colportage *see* Bible — Publication and distribution; Tracts

Columns

See also Architecture; Orders of architecture; Strength of materials

Combat, Trial by, *see* Wager of battle

Combination, Industrial

See also Employers' associations; Labor unions; Restraint of trade; Trusts

Refer from Colonization (s); Dependencies (s); Frontier and pioneer life; Government; History; Immigration and emigration; Imperialism; Sociology

Refer from Books; Cataloging; Incunabula; Printing; Title-pages

Refer from Chemistry; Chromatics (s); Dyes and dyeing; Esthetics; Light; Paint; Painting; Painting, Mechanical; Photometry; Pigments (s)

Refer from Blind; Color sense; Daltonism (s); Eye — Diseases and defects; Light; Sight

Refer from Animal coloration (s); Animals; Animals — Coloration (s); Biology; Evolution; Metachrosis (s); Mimicry (biology); Pigmentation (s); Variation (biology); Zoology

Refer from Botany; Botany — Physiology; Color of plants; Fertilization of plants; Flowers; Variation (biology)

Refer from Color of animals; Insects; Variation (biology)

Refer from Albinos and albinism; Anthropology; Complexion (s); Ethnology; Evolution; Face; Man; Negroes; Physiology; Pigmentation (s); Skin; Yellow races

Refer from Biology; Botany — Physiology; Color of flowers; Evolution; Plants; Plants — Color (s); Variation (biology)

Refer from Chromophotography (s); Color printing; Heliochromy (s); Photography; Photography, Color (s)

Refer from Chromolithography; Engraving; Printing

Refer from Chromolithography; Color printing; Engravings

Refer from Color blindness; Psychology; Psychology, Comparative; Senses and sensation; Sight; Vision (s)

Refer from Architecture; Orders of architecture; Pillars (s)

Refer from Cartels (economics) (s); Competition; Economics; Employers' associations; Industrial combination (s); Kartels (economics) (s); Labor and capital; Labor unions; Restraint of trade; Trades combination (s); Trusts

Combustion

See also Fire; Fuel; Heat; Mechanical draft; Smoke

Comedians *see* Actors; Comedy

Comedy

See also Burlesques; Drama

Comets

See also Astronomy

Comic histories

Comic literature *see* Humor; Satire

Comic operas *see* Operettas

Commandments

See also Bible — Old Testament — Exodus; Mosaic law

Commencements

See also Class day

Commentaries *see* Bible — Commentaries, and other subjects commented on

Commerce

See also Accounting; Advertising; Auctions; Balance of trade; Bankruptcy; Banks and banking; Boards of trade; Bookkeeping; Booksellers and bookselling; Business; Business depression; Canals; Capital; Carriers; Communication; Competition; Consumption (economics); Contraband of war; Contracts; Cooperation; Corporations; Credit; Debt; Economics; Embargo laws; Exchange; Fairs; Finance; Food supply; Foreign exchange; Freight; Fur trade; Gilds; Government regulation of industry; Grange; Hanseatic league; Harbors; Inland navigation; Insurance; Interest; International law; Interstate commerce; Labor unions; Loans; Manufactures; Maritime law; Marketing of farm produce; Markets; Merchants; Money; Monopolies; Navigation; Neutrality; Packing for shipment; Panics; Partnership; Pawnbroking; Prices; Profit sharing; Prosperity; Railroads; Reciprocity; Restraint of trade; Salesmanship; Shipping; Smuggling; Speculation; Stamp duties; Statistics; Steam navigation; Stock exchange; Stocks; Subsidies; Success; Tariff; Tariff question; Telegraph codes; Trade-marks; Trading companies; Transportation; Trust companies; Trusts; Warehouses; Waterways; Weights and measures; *also* headings beginning Commercial, names of articles of commerce, names of countries, subheads Commerce and Industries and resources, and names of cities, subheads Business and Industries

Commercial arithmetic *see* Arithmetic, Commercial

Commercial correspondence**—French****Commercial courts**

Commercial crises *see* Business depression; Panics

Commercial education *see* Business education

Refer from Chemistry; Fire; Heat; Mechanical draft; Spontaneous combustion (s)

Refer from Burlesques; Comedians (s); Drama; Humor

Refer from Astronomy

Refer from History, Comic (s); Humor

Refer from Bible; Bible — Old Testament — Exodus; Decalogue (s); Ethics; Mosaic law; Ten commandments (s)

Refer from Colleges and universities; Graduation (s); High schools

Refer from Balance of trade; Business; Capital; Carriers; Communication; Consumption (economics); Economics; Exchange; Exportation (s); Exports (s); Finance; Foreign trade (s); Imports (s); Industrial arts; Manufactures; Merchandise (s); Merchants; Money; Navigation; Ocean; Railroads; Shipping; Tariff; Trade (s); Transportation

Refer from Business correspondence (s); Business education; Correspondence (s); Letter writing

Refer from French language

Refer from Commercial law; Courts

Commercial ethics *see* Business ethics

Commercial geography

See also Anthropogeography; Commercial products; Manufactures; Natural resources; Transportation

Refer from Commercial products; Economic geography (s); Geography; Geography, Commercial (s); Geography, Economic (s); Natural resources

Commercial law

See also Administrators and executors; Admiralty; Agency; Arbitration and conciliation, Industrial; Assignments; Attachment; Auditing; Bailments; Bankruptcy; Brokers and factors; Business; Carriers; Commercial courts; Competition; Consuls; Contracts; Conveyancing; Corporation law; Debt; Deeds; Exchange; Foreign exchange; Forms (in law); Guaranties and sureties; Insurance; Joint-stock companies; Landlord and tenant; Liens; Maritime law; Mortgages; Negotiable instruments; Notaries; Partnership; Property; Real estate; Sale; Trust companies; Trustees; Trusts; *also* subhead Law under various subjects, e.g. Banks and banking — Law

Refer from Admiralty; Agency; Assignments; Bailments; Bankruptcy; Business; Business education; Business law (s); Carriers; Consuls; Contracts; Corporation law; Debt; Forms (in law); Guaranties and sureties; Law; Mercantile law (s); Merchants; Negotiable instruments; Partnership; Sale

Commercial paper *see* Negotiable instruments

Commercial products

See also Agricultural products; Animal products; Coal-tar products; Commercial geography; Forest products; Manufactures; Natural resources; *also* names of individual products, e.g. Asphalt, Petroleum; and names of countries, subhead Industries and resources

Refer from Agricultura products; Animal products; Commercial geography; Forest products; Natural resources; Products, Commercial (s); Raw materials (s)

Commercial ratings *see* Credit guides

Commercial schools *see* Business education

Commercial travelers

See also Peddlers and peddling; Salesmanship

Refer from Agents (s); Business; Drummers (s); Merchants; Salesmanship; Salesmen, Traveling (s); Traveling salesmen (s); Travelers

Commercial treaties

See also Reciprocity; Tariff; *also* names of countries, subhead Treaties

Refer from Favored nation clause (s); Most favored nation clause (s); Reciprocity; Tariff; Treaties

Commission government *see* Municipal government — Commission plan

Committees

See also Legislative bodies; Parliamentary practice

Refer from Legislative bodies; Parliamentary practice

Common carriers *see* Carriers

Common lands *see* Commons

Common law

See also Law, and references under that subject

Refer from Law

Common schools *see* Public schools

Common sense

Refer from Judgment; Psychology

Commonplace books

Refer from Literature

Commons

See also Mark (land); Parks; Vacant lot cultivation; Village communities

Refer from Common lands (s); Land tenure; Parks

Commonwealth of England *see* England — History — Civil war and commonwealth

Commune, Paris, *see* France — History — Third republic, 1870-; Paris — History — Siege and commune

Communication

See also Carriers; Commerce; Newspapers; Postal service; Printing; Railroads; Telegraph; Telegraph codes; Telephone; Transportation; Waterways; Wireless telegraphy
Communion *see* Close communion; Lord's supper

Communism

See also Anarchism and anarchists; Harmonists; Individualism; Land nationalization; Shakers; Socialism; Tribes and tribal system; Village communities; *also* names of communities, e.g. Brook Farm

Communities *see* Communism; Village communities; *also* names of communities

Commutators

See also Dynamos; Electric motors

Comparative anatomy *see* Anatomy, Comparative

Comparative morphology *see* Anatomy, Comparative; Morphology

Comparative mythology *see* Mythology

Comparative philology *see* Language—Comparative philology

Comparative physiology *see* Physiology, Comparative

Comparative psychology, *see* Psychology, Comparative

Comparative religion *see* Religions

Compass

See also Magnetism, Terrestrial

Compassion *see* Sympathy

Compensation *see* Bounties; Damages; Employers' liability; Indemnity; Pensions; Rewards (prizes, etc.); Salaries; Wages

Competition

See also Combination, Industrial; Department stores; Monopolies; Supply and demand; Trusts

Competitive examinations *see* Civil service examinations; Examinations

Complexion *see* Beauty, Personal; Color of man; Cosmetics

Composers *see* Musicians

Composing machines *see* Typesetting machines

Composite photography *see* Photography, Composite

Composition (art)

See also Art; Painting; Proportion (art)

Composition (English)

See also Letter writing; Rhetoric

Composition (music)

See also Canon (music); Counterpoint; Fugue; Harmony; Instrumentation and orchestration; Melody; Music; Musical accompaniment

Composition (printing) *see* Typesetting

Refer from Carriers; Commerce; Economics; Transportation

Refer from Collectivism (s); Communities(s); Cooperation; Economics; Government; Individualism; Labor and laboring classes; Land nationalization; Profit sharing; Property; Socialism; Socialistic communities (s); Sociology; Village communities

Refer from Armatures; Dynamos; Electric machinery; Electric motors; Electromagnets

Refer from Declination of the compass (s); Magnetic needle (s); Magnetism; Magnetism, Terrestrial; Mariner's compass (s); Navigation; Surveying instruments; Variation of the compass (s)

Refer from Business; Business ethics; Commerce; Commercial law; Economics; Monopolies; Supply and demand; Trusts

Refer from Art; Painting; Proportion (art)

Refer from Composition (rhetoric) (s); English composition (s); English language; English language — Composition (s); Rhetoric

Refer from Music; Music — Theory; Musical composition (s)

Composition (rhetoric) *see* Composition (English); Letter writing; Rhetoric; *also* names of languages other than English, e.g. German language — Composition

Compressed air

See also Air compressors; Caisson disease; Pneumatic tubes; Vacuum cleaning systems

Refer from Air; Air compressors; Air engines; Caissons; Foundations; Motors; Pneumatic transmission (s); Pneumatic tubes; Power; Power transmission

Compressed air disease *see* Caisson disease

Compressibility

See also Elasticity; Matter

Refer from Hydrostatics; Matter; Physics

Compromise

Refer from Ethics; Political ethics

Compulsory education

See also Child labor; Illiteracy; School attendance; School laws; Truancy

Refer from Child labor; Education; Education, Compulsory (s); School attendance; School laws

Compulsory insurance *see* Insurance, State and compulsory

Concentration *see* Attention

Concentration camps

See also South African war, 1899-1902

Refer from Camps (military); Military art and science; Prisoners of war

Concentration of schools *see* Schools — Centralization

Concert halls *see* Music halls

Concerts

Refer from Amusements; Entertainments; Music

Conchology *see* Mollusks

Conciliation, Industrial, *see* Arbitration and conciliation, Industrial

Concordances *see* Bible — Concordances, and names of authors to whose works concordances have been made

Concrete

See also Asphalt; Building materials; Cement; Concrete, Reinforced; Concrete construction; Concrete pottery; Masonry; Pavements; Stone, Artificial

Refer from Béton (s); Building materials; Cement; Concrete, Reinforced; Foundations; Masonry; Pavements; Stone, Artificial

—Reinforced

See also Building materials; Concrete; Concrete construction

Refer from Armored concrete (s); Building materials; Concrete; Concrete construction; Concrete steel (s); Ferro-concrete (s); Reinforced concrete (s); Steel construction

Concrete construction

See also Concrete, Reinforced; Fireproof construction

Refer from Architecture; Building; Concrete; Concrete, Reinforced; Fireproof construction; Steel construction

Concrete pottery

Refer from Concrete; Garden ornaments and furniture; Pottery

Concrete steel *see* Concrete, Reinforced

Concretions

See also Geology

Refer from Geology

Condemnation of land *see* Eminent domain

Condemned books *see* Prohibited books

Condensation

See also Atmospheric nucleation

Refer from Atmospheric nucleation; Chemistry; Physics

Condensers (electricity)

See also Electrostatics

Refer from Electric apparatus and appliances; Electric condensers (s); Electrostatics; Induction coils

Condensers (steam)

See also Steam engines

Refer from Steam; Steam engines

Condiments

See also Salt; Spices

Refer from Food; Salt; Spices

Conduct of life

See also Altruism; Ambition; Asceticism; Avarice; Boys; Business ethics; Character; Charity; Cheerfulness; Children; Christian life and character; Citizenship; Conversation; Courage; Courtesy; Culture; Duty; Eccentricity; Egoism; Ethics; Etiquet; Extravagance; Friendship; Gentlemen; Girls; Habit; Honesty; Idleness; Justice; Kindness; Leisure; Life; Loyalty; Obedience; Opportunity; Patience; Patriotism; Popularity; Procrastination; Prudence; Self-control; Self-culture; Self-denial; Self-reliance; Self-respect; Selfishness; Simple life; Solitude; Spiritual life; Standard of living; Success; Temperance; Thrift; Virtue; Work; Worry; Young men; Young women; Youth

Conducting (music)

See also Bands (music); Choirs; Orchestras

Conductivity, Electric, *see* Electric conductivity

Conductors, Electric, *see* Electric conductors

Conduits *see* Aqueducts

Confectionery

See also Chocolate; Ices

Confederacies *see* Federal government

Confession

See also Absolution; Penance; Sin

Confessions of faith *see* Creeds

Confirmation

See also Church membership; Lord's supper

Confiscation

Conflagrations *see* Fires

Confucianism

See also Ancestor worship; Buddhism; China — Religion; Taoism

Congregationalism

See also Antinomianism; Baptists; Brownists; Calvinism; Church polity; Dissenters; Friends, Society of; New England — Religious history; Orthodoxy; Presbyterianism; Puritans; Unitarianism; Universalism

Congress, U. S., *see* U. S. — Congress

Congresses *see* names of bodies holding congresses; or, when not held by any named body, *see* name of congress, if distinctive, otherwise name of place of meeting

Conic sections

See also Curves; Ellipse; Geometry, Analytic; Mathematics

Conjuring

See also Conjurers; Magic; Medicine men; Voodooism; Witchcraft

Conjurors

Connecticut Reserve *see* Western Reserve

Refer from Behavior (s); Character; Christian life and character; Duty; Ethics; Ethics, Practical (s); Life; Practical ethics (s); Self-help (s); Success; Young men; Young women

Refer from Bands (music); Choirs; Orchestras

Refer from Candy (s); Cookery; Manufactures; Sugar

Refer from Absolution; Auricular confession (s); Catholic church; Church discipline; Church polity; Penance; Repentance; Sin; Theology

Refer from Church membership; Church of England; Church polity; Protestant Episcopal church in the U. S.; Rites and ceremonies; Sacraments; Theology

Refer from International law; Law; Property

Refer from Ancestor worship; China — Religion; Religions

Refer from Baptists; Brownists; Calvinism; Church polity; Dissenters; Independents (church polity) (s); New England — Religious history; Orthodoxy; Puritans; Sects

Refer from Curves; Ellipse; Geometry; Geometry, Analytic; Mathematics

Refer from Amusements; Illusions and hallucinations; Juggling (s); Legerdemain (s); Magic; Necromancy (s); Prestidigitation (s); Sleight of hand (s)

Refer from Biography; Conjuring

Consanguinity

See also Deaf and dumb; Degeneration; Epilepsy; Family; Idiocy; Insanity; Marriage

Refer from Ethnology; Eugenics; Heredity; Kinship (s); Marriage; Relationship (s); Tribes and tribal system

Conscience

See also Christian ethics; Liberty of conscience

Refer from Cases of conscience (s); Casuistry (s); Christian ethics; Duty; Ethics; Religion; Theology

Consciousness

See also Automatism; Knowledge; Perception; Personality; Psychology; Reaction time; Senses and sensation; Subconsciousness

Refer from Automatism; Metaphysics; Personality; Psychology

Conscription

See also Draft riot, 1863; Military service; Recruiting and enlistment

Refer from Drafting, Military (s); Military art and science; Military service; Recruiting and enlistment

Consecration of churches *see* Church dedication

Conservation of energy *see* Force and energy

Conservation of resources

See also Forests and forestry; Mines and mineral resources; Natural resources; Reclamation of land; Water power

Refer from Forests and forestry; Natural resources; Resources (s)

Conservatories *see* Greenhouses

Consolation

Refer from Affliction; Death; Devotional exercises; Religion; Suffering

Consolidation of schools *see* Schools—Centralization

Conspiracies

See also Assassination; Gunpowder plot; Popish plot

Refer from Crime and criminals; Criminal law; History

Constables

See also Arrest; Police

Refer from Arrest; Law; Police; Town officers

Constants *see* Units

Constellations *see* Astronomy; Stars

Constitutional history

See also Aristocracy; Cabinet system; Constitutions; Democracy; *also* names of countries and states, subhead Constitution

Refer from Constitutions; Government; History; History, Constitutional (s)

Constitutional law

See also Amendments (parliamentary practice); Civil rights; Constitutions; Democracy; Eminent domain; Executive power; Federal government; Government; Habeas corpus; Injunctions; Jurisdiction; Jury; Legislative bodies; Monarchy; Natural law; Police power; Proportional representation; Referendum; Representative government and representation; Republics; Sovereignty; Suffrage

Refer from Civil rights; Constitutions; Eminent domain; Executive power; Government; Habeas corpus; Jurisdiction; Jury; Law; Police power; Representative government and representation; Sovereignty; U. S.—Constitution

Constitutions

See also Constitutional history; Constitutional law; Government; Representative government and representation; *also* names of countries and states, subhead Constitution

Refer from Constitutional history; Constitutional law; Government; Law

—Apostolic, *see* Apostolic constitutions

—State

See also State governments; *also* names of states, subhead Constitution

Refer from State constitutions (s); State governments; States (U. S.); U. S.—Constitution

Construction *see* Architecture; Building; Engineering

Consular service *see* Consuls; Diplomatic and consular service

Consuls

See also Commercial law; Diplomacy; Diplomatic and consular service; Extraterritoriality; *also* names of countries, subhead Diplomatic and consular service

Consumers' leagues

See also Sweating system

Consumption *see* Tuberculosis

Consumption (economics)

See also Commerce; Economics; Industry;

Prices; Supply and demand

Contact action *see* Catalysis

Contagion and contagious diseases

See also Bacteriology; Disinfection and disinfectants; Epidemics; Flies; Fumigation; Germ theory of disease; Immunity; Inoculation; Insects as carriers of contagion; Mosquitoes; Putrefaction; Quarantine; Rats as carriers of contagion; Vaccination; *also* names of diseases, e.g. Black death; Cholera, Asiatic; Diphtheria; Measles; Plague; Scarlet fever; Smallpox; Typhoid fever; Yellow fever

Contagious diseases *see* Contagion and contagious diseases

Contemporaries *see* Biography

Contentment

See also Cheerfulness; Happiness

Continents

See also Physical geography

Continuation schools *see* Evening and continuation schools

Continuous current machinery *see* Electric machinery

Contraband of war

See also Neutrality; Trent affair, 1861

Contract labor

See also Coolies; Indentured servants; Padrone system; Peonage

Contractions *see* Abbreviations; Ciphers

Contracts

See also Agency; Assignments; Bailments; Bonds; Building — Contracts and specifications; Commercial law; Covenants; Debt; Deeds; Guaranties and sureties; Insurance; Master and servant; Mortgages; Negligence; Partnership; Sale; Trade agreements

Contributory negligence *see* Negligence

Controllers, Electric, *see* Electric controllers

Conundrums *see* Riddles

Convalescent homes

Conventions *see* names of bodies holding conventions; or, when not held by any named body, *see* name of convention if distinctive, otherwise name of place of meeting; *also* names of countries and cities, subhead Conventions and public meetings

Conventions, Political, *see* Political conventions

Refer from Commercial law; Consular service (s); Diplomacy; Diplomatic and consular service; Diplomats; Extraterritoriality; International law; International relations

Refer from Boycott; Clothing; Food adulteration and inspection; Hygiene, Public; Labor and laboring classes; Sweating system

Refer from Commerce; Economics; Luxury; Supply and demand

Refer from Contagious diseases (s); Diseases (s); Epidemics; Hygiene, Public; Immunity; Infection and infectious diseases (s); Medicine; Medicine — Practice; Pathology; Putrefaction; Zymotic diseases (s)

Refer from Ethics; Gladness (s); Happiness; Pleasure

Refer from Geography; Physical geography

Refer from Commerce; International law; Maritime law; Neutrality; Prizes (international law); War

Refer from Indentured servants; Labor and laboring classes; Padrone system; Peonage

Refer from Agency; Agreements (s); Commerce; Commercial law; Law

Refer from Hospitals; Sanatoriums

Convents and nunneries

See also Abbeys; Monasteries; Monasticism; Nuns; Religious orders

Conversation

See also Table-talk

Conversion

See also Christian life and character; Evangelistic work; Grace (theology); Missions; Regeneration (theology); Repentance; Revivals; Salvation

Converters, Electric, *see* Electric current converters

Conveyancing

See also Deeds; Forms (in law); Land titles; Mortgages; Real estate; Torrens system

Conveying machinery

See also Cableways; Hoisting machinery; Mining machinery; Pneumatic tubes; Telfherage

Conveyors *see* Conveying machinery

Convict labor

See also Prisons

Conviction *see* Belief; Certainty

Convicts *see* Convict labor; Crime and criminals; Discharged prisoners; Penal colonies; Prisons

Cook books *see* Cookery

Cookbooks *see* Cookery

Cookery

See also Aladdin oven; Baking; Baking powder; Bread; Breakfasts; Cake; Canning and preserving; Carving (meat, etc.); Catering; Cereals, Prepared; Chafing dish; Coffee; Confectionery; Cookery for the sick; Cooking schools; Desserts; Diet; Dinners and dining; Fireless cookers; Fish as food; Flavoring extracts; Food; Home economics; Kitchen; Luncheons; Menus; Ovens; Pastry; Salads; Sandwiches; Sauces; Soup; Table; Yeast

—Eggs

—Meat

—Mushrooms

—Vegetables

Cookery for the sick

See also Diet

Cooking *see* Cookery

Cooking schools

Coolies

See also Labor and laboring classes — China; Labor and laboring classes — India

Cooling appliances *see* Refrigeration and refrigerating machinery

Cooperage**Cooperation**

See also Benefit societies; Brook Farm; Building and loan associations; Communism;

Refer from Abbeys; Catholic church; Church history; Church property; Cloisters (s); Monasteries; Monasticism; Nunneries (s); Nuns; Sisterhoods

Refer from Conduct of life; Etiquet; Language; Rhetoric; Self-culture; Society; Speech; Talking (s)

Refer from Christian life and character; Evangelistic work; Missions; Regeneration (theology); Religious experience (s); Repentance; Revivals; Salvation; Theology

Refer from Commercial law; Deeds; Forms (in law); Land titles; Land transfer (s); Law; Property; Real estate; Sale; Torrens system

Refer from Cableways; Conveyors (s); Hoisting machinery; Machinery; Mining machinery; Telfherage

Refer from Convicts (s); Crime and criminals; Labor and laboring classes; Prison labor (s); Prisons

Refer from Baking; Bread; Breakfasts; Canning and preserving; Carving (meat, etc.); Chemistry, Household; Cook books (s); Cookbooks (s); Cooking (s); Desserts; Diet; Dinners and dining; Domestic arts; Eating; Food; Gastronomy (s); Home economics; Industrial arts; Kitchen; Luncheons; Pastry; Receipts; Recipes (s); Salads; Sauces; Soup; Table

Refer from Eggs

Refer from Meat

Refer from Mushrooms

Refer from Vegetables

Refer from Cookery; Diet; Food for invalids (s); Invalid cookery (s); Nurses and nursing

Refer from Cookery

Refer from Contract labor; Labor and laboring classes

Refer from Barrels (s); Casks (s); Manufactures; Staves (s)

Refer from Association (s); Commerce; Cooperative stores (s); Economics; Labor and

- Cooperative agriculture; Cooperative housekeeping; Labor unions; Profit sharing; Savings banks; Socialism
- Cooperative agriculture**
Cooperative banks *see* Building and loan associations
Cooperative building associations *see* Building and loan associations
Cooperative housekeeping
Cooperative stores *see* Cooperation
Coordinate geometry *see* Geometry, Analytic
- Copper**
See also Brass; Bronze; Copper mines and mining; Coppersmithing; Metals
Copper age
See also Archaeology; Bronze age
Copper mines and mining
Coppersmithing
See also Arts and crafts; Metal coloring
- Coptic church**
See also Eastern churches; Egypt — Religion
Coptic language
See also African languages; Hamitic languages
Copyright
See also Authorship; Books; Booksellers and bookselling; Publishers and publishing; Titles of books
- Corals and coral islands**
See also Coelenterata
Cordage
See also Fibers; Knots and splices; Rope
Corn
See also Feeding and feeding stuffs; Grain
- Corn laws**
- Corners, Commercial, *see* Monopolies; Speculation; Stock exchange; Trusts**
- Cornices**
See also Architecture
Cornish language
See also Celtic languages
Coronations
See also Crowns
Coroners
Corporal punishment
See also Flogging; School management
- Corporation law**
See also Commercial law; Municipal law; Railroads — Law; Trusts
- capital; Labor and laboring classes; Labor unions; Profit sharing; Rochdale system (s); Socialism; Sociology
- Refer from* Agriculture; Cooperation
- Refer from* Cooperation; Home economics; Housekeeping (s)
- Refer from* Metals; Sheet-metal work
- Refer from* Archaeology; Bronze age
Refer from Copper; Mines and mineral resources
- Refer from* Arts and crafts; Copper; Metal coloring; Metal work
- Refer from* Eastern churches; Egypt — Religion; Greek church
- Refer from* African languages; Egyptian language; Hamitic languages
- Refer from* Authors; Authorship; Books; Booksellers and bookselling; Intellectual property (s); International copyright (s); Law; Literary property (s); Literature; Play-right (s); Property; Property, Intellectual (s); Publishers and publishing
- Refer from* Coelenterata; Islands
- Refer from* Hemp; Rope
- Refer from* Feeding and feeding stuffs; Forage plants; Grain; Indian corn (s); Maize(s)
- Refer from* Agricultural laws; Agriculture; Economics; England — Economic conditions; Food supply; Tariff; Tariff — England
- Refer from* Architecture
- Refer from* Celtic languages
- Refer from* Crowns; Monarchy; Pageants; Rites and ceremonies
Refer from County officers; Death; Inquests, Coroners' (s); Law; Local government
- Refer from* Children — Management; Flogging; Punishment; Rod, The (s); School management; Teaching; Whipping (s)
- Refer from* Commercial law; Corporations; Government regulation of industry; Law; Municipal law; Trusts

Corporations

See also Bankruptcy; Bonds; Building and loan associations; Clubs; Corporation law; Gilds; Government ownership; Investments; Joint-stock companies; Municipal corporations; Promoting; Public service corporations; Publicity; Receivers; Stocks; Trust companies; Trusts

Taxation

Corpulence

Correlation of forces *see* Force and energy

Correspondence *see* Commercial correspondence; Letter writing; Letters; Reporting; War correspondence

Correspondence schools and courses

Corrosion and anti-corrosives

See also Paint; Waterproofing

Corrupt practices at elections *see* Elections; Political corruption

Corruption in politics *see* Political corruption

Corsairs *see* Pirates

Corundum

See also Abrasives

Cosmetics

See also Beauty, Personal; Make-up, Theatrical; Perfumery; Toilet

Cosmogony *see* Universe

Cosmography *see* Universe

Cosmology *see* Universe

Cossacks

See also Russia — History

Cost

See also Prices; Value

Cost accounting

See also Accounting

Cost of living

See also Prices; Rent; Standard of living; Thrift; Wages

Costs

See also Pleading and practice

Costume

See also Boots and shoes; Church vestments; Clothing; Cosmetics; Dandies; Dress reform; Dressmaking; Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Hosiery; Jewelry; Livery; Masks (for the face); Millinery; Perfumery; Regalia; Shawls; Toilet; Umbrellas; Uniforms

Academic

Refer from Associations (s); Bonds; Business; Capitalization (finance) (s); Charters; Commerce; Finance; Government regulation of industry; Joint-stock companies; Partnership; Promoting; Societies; Stock companies (s); Stocks; Trusts

Refer from Franchise taxation (s); Taxation
Refer from Fat (s); Food; Obesity (s)

Refer from Education; Home education; Schools; Self-culture; Technical education; University extension

Refer from Anti-corrosive paint (s); Chemistry, Technical; Electrolysis; Iron; Metal corrosion (s); Metal protection (s); Metals; Paint; Rust (s); Rustless coatings (s); Steel; Steel construction; Waterproofing

Refer from Abrasives

Refer from Beauty, Personal; Complexion (s); Costume; Face; Make-up, Theatrical; Toilet

Refer from Ethnology — Russia; Russia — History

Refer from Economics; Value

Refer from Accounting; Bookkeeping; Factory costs (s); Factory management; Manufactures; Scientific management

Refer from Economics; Food; Home economics; Household expenses (s); Labor and laboring classes; Living, Cost of (s); Living expenses (s); Poor; Price of food (s); Prices; Social problems; Standard of living; Thrift; Wages

Refer from Actions at law; Law; Pleading and practice

Refer from Archaeology; Art; Beauty, Personal; Church vestments; Clothing; Dress (s); Ethnology; Fancy dress (s); Fans; Fashion; Gloves; Hairdressing; Hats; Headgear; Manners and customs; Masquerades; Millinery; Regalia; Style (in dress) (s); Toilet; Uniforms; Women

Refer from Academic costume (s); Cap and gown (s); Caps and gowns (s); College gowns (s); Colleges and universities; Hoods, Academic (s)

Costume—Continued

—Military, *see* Arms and armor; Uniforms
—U. S.

Cottillion

See also Balls (parties); Dancing

Cottages

See also Architecture, Domestic; Bungalows; Country houses; Log cabins

Cotton

See also Dyes and dyeing; Fibers; Khaki; Mercerization; Textile industry and fabrics; Weaving

—**Cultivation and manufacture**

See also Cotton famine, 1861-1864; Textile factories; Textile industry and fabrics

—**Diseases and pests**

See also Boll weevil

Cotton-boll weevil *see* Boll weevil

Cotton famine, 1861-1864

Cotton growing *see* Cotton — Cultivation and manufacture

Cotton manufacture *see* Cotton — Cultivation and manufacture

Cotton mills *see* Cotton — Cultivation and manufacture; Textile factories

Cotton pests *see* Cotton — Diseases and pests

Cough
See also Bronchitis; Cold (disease); Respiratory organs — Diseases

Councils and synods

See also Church history; *also* special councils and synods, e.g. Vatican council

Counterfeits

See also Antiques, Forged; Art forgeries; Bank notes; Forgery; Imposture; Money

Counterpoint

See also Canon (music); Fugue

Counter-reformation

See also Catholic church — History; Jesuits; Reformation; Thirty years' war

Counting out

Country houses

See also Architecture, Domestic; Bungalows; Cottages; Farm buildings

Country life

See also Camping; City and country; Farm life; Gardening; Hunting; Outdoor life; Pastoral poetry; Peasantry; Simple life; Sports

Country schools

See also Schools — Centralization

Refer from U. S.— Costume (s); U. S.— Social life and customs

Refer from Balls (parties); Dancing; German (dance) (s)

Refer from Architecture, Domestic; Architecture, Rural (s); Country houses; Rural architecture (s); Summer cottages (s); Villas (s)

Refer from Agricultural products; Agriculture — Tropics; Fibers; Textile industry and fabrics; Yarn

Refer from Cotton growing (s); Cotton manufacture (s); Cotton mills (s); Textile industry and fabrics

Refer from Agricultural pests; Boll weevil; Cotton pests (s); Insects, Injurious and beneficial; Plants — Diseases

Refer from Cotton — Cultivation and manufacture

Refer from Bronchitis; Cold (disease); Lungs; Respiratory organs — Diseases

Refer from Catholic church — Councils (s); Catholic church — History; Church councils (s); Church history; Church law; Church polity; Ecumenical councils (s); Fathers of the church; Synods (s)

Refer from Bank notes; Crime and criminals; Forgery; Fraud; Imposture; Money

Refer from Canon (music); Composition (music); Harmony; Music; Music — Theory

Refer from Anti-reformation (s); Catholic church — History; Reformation

Refer from Folklore; Games; Nursery rhymes

Refer from Architecture, Domestic; Architecture, Rural (s); Cottages; Farm houses (s); Rural architecture (s); Suburban houses (s); Summer cottages (s); Villas (s)

Refer from City and country; Farm life; Outdoor life; Rural life (s); Simple life

Refer from District schools (s); Education; Education, Elementary; Public schools; Rural schools (s); Schools

County officers

See also Coroners; Local government; Sheriffs

County option *see* Local option

Coup d'état of 1851 *see* France — History —

Coup d'état

Couplings *see* Car couplings

Courage

See also Heroes

Courses of study *see* Curriculum; Study clubs

Coursing

See also Hares

Court fools *see* Fools

Court life *see* Courts and courtiers

Courtesy

See also Etiquet

Courtiers *see* Courts and courtiers

Courts

See also Admiralty; Appeal; Chancery; Commercial courts; Courts martial; Judges; Jurisdiction; Jury; Juvenile courts; Law; Moot courts; Pleading and practice; Probate law and practice; Trials; Vigilance committees; *also* names of countries and cities, subhead Courts

—Municipal**Courts and courtiers**

See also Diplomatic memoirs; Kings and rulers; Precedence; Princes and princesses; Queens and empresses; *also* names of countries, subhead Court and courtiers

Courts martial

See also Military law

Courts of love

See also Troubadours

Courtship

See also Love; Marriage

Covenanters

See also Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history

Covenants**Cover crops**

Cover design *see* Book covers

Covetousness *see* Avarice

Cow *see* Cows

Cowboys

See also Ranch life

Cows

See also Cattle; Dairying; Horns; Milk; Milking

Cradle songs *see* Lullabies

Crafts *see* Arts and crafts; Handicraft; Industrial arts

Cranes, derricks, etc.

See also Hoisting machinery

Craniology *see* Skull

Cranks (machinery)

Refer from Law; Local government

Refer from Bravery (s); Conduct of life; Ethics; Fear; Heroes; Heroism (s); Valor (s)

Refer from Hares; Hunting; Sports

Refer from Conduct of life; Ethics; Etiquet; Gentlemen; Manners (s); Politeness (s)

Refer from Judiciary (s); Jurisdiction; Law; Pleading and practice

Refer from Municipal corporations; Municipal courts (s); Police courts (s); U. S.— Courts

Refer from Court life (s); Courtiers (s); Etiquet; Kings and rulers; Monarchy; Princes and princesses; Queens and empresses; Society

Refer from Courts; Martial law; Military law; Military trials (s); Trials

Refer from Chivalry; Love, Courts of (s)

Refer from Love; Marriage

Refer from Church history — Modern; Church of Scotland; Presbyterianism; Reformation — Scotland; Scotland — Religious history

Refer from Church membership; Church polity; Contracts

Refer from Agriculture

Refer from Cattle; Frontier and pioneer life; Live stock; Ranch life; Western states

Refer from Cattle; Cow (s); Dairying; Domestic animals; Live stock; Milk

Refer from Derricks (s); Hoisting machinery; Machinery

Refer from Machinery

Crayon drawing

See also Pastel

Cream

See also Dairy products; Dairying; Milk

Cream separators

See also Dairying

Creameries

See also Dairying

Creation

See also Bible — Old Testament — Genesis; Earth; Evolution; Geology; God; Man — Origin and antiquity; Mythology; Religion and science; Teleology; Theology; Universe

Crèches

Credit

See also Agricultural credit; Banks and banking; Credit guides; Debt; Debts, Public; Instalment plan; Loans; Money; Negotiable instruments

Crédit foncier *see* Agricultural credit

Credit guides

Creeds

See also Apostles' creed; Athanasian creed; Catechisms; Nicene creed; *also* names of churches, sects, etc., subhead Catechisms and creeds

Cremation

See also Urn burial

Creoles

Crests *see* Heraldry

Cretaceous period *see* Geology, Stratigraphic — Cretaceous; Paleontology — Cretaceous

Cribbage

See also Cards

Cricket (game)

Cries *see* Battle cries; Street cries; Yells

Crime and criminals

See also Adulterations; Adultery; Alcoholism; Anarchism and anarchists; Anthropometry; Assassination; Bertillon system; Bribery; Brigands and robbers; Burglary; Capital punishment; Conspiracies; Convict labor; Counterfeits; Criminal law; Dacoits; Defectives; Degeneration; Detectives; Discharged prisoners; Education and crime; Embezzlement; Extradition; Forgery; Fraud; Gambling; Graft; Heredity; Identification; Indeterminate sentence; Infanticide; Juvenile delinquency; Kidnapping; Larceny; Lotteries; Lynch law; Mafia; Murder; Mutiny; Outlaws; Pardon; Parole; Penal colonies; Perjury; Pirates; Police; Political offenses; Prisons; Probation system; Prostitution; Punishment; Reformatories; Regicides; Riots; Smuggling; Suicide; Swindlers and swindling; Thieves; Thugs; Tramps; Treason; Trials; Vice; Vigilance committees; Women — Crime; Workhouses; *also* names of cities, sub-head Crime and criminals

Refer from Drawing; Portraits

Refer from Dairy products; Dairying; Milk

Refer from Dairying; Milk; Separators, Cream (s)

Refer from Dairying

Refer from Bible; Bible — Old Testament — Genesis; Earth; Earth — Age; Evolution; Geology; God; Man; Man — Origin and antiquity; Natural religion; Philosophy; Religion and science; Teleology; Theology; Universe

Refer from Charities; Children — Charities, protection, etc.; Day nurseries (s); Nurseries, Day (s)

Refer from Banks and banking; Bills of credit (s); Bills of exchange (s); Business; Commerce; Debt; Economics; Finance; Money; Speculation

Refer from Commercial ratings (s); Credit

Refer from Belief; Catechisms; Church history; Church membership; Confessions of faith (s); Faith; Symbolics (s); Symbolism (theology) (s); Theology

Refer from Burial; Burning the dead (s); Death; Hygiene, Public; Mortuary customs(s)
Refer from Latin races; Louisiana; Southern states

Refer from Cards

Refer from Ball (s); Games

Refer from Anthropology; Biography; Convicts (s); Criminal anthropology (s); Criminal law; Criminals (s); Criminology (s); Dangerous classes (s); Defectives; Degeneration; Dependent classes (s); Ethics; Felony (s); Government; Identification; Immorality (s); Law; Outlaws; Police; Prisons; Punishment; Sin; Social problems; Sociology; Vice

Crime and criminals—Continued

—U. S.

See also Prisons — U. S.

Crimean war

See also Europe — History — 1789–; Russia — History; Turkey — History

Criminal anthropology *see* Crime and criminals

Criminal law

See also Arrest; Bail; Capital punishment; Conspiracies; Crime and criminals; Evidence; Extradition; Indeterminate sentence; Jury; Juvenile courts; Law; Ordeals; Perjury; Prisons; Probation system; Punishment; Trials; Vigilance committees; *also* special crimes, e.g. Assault, Murder

Criminals *see* Crime and criminals

Criminology *see* Crime and criminals

Crises, Commercial, *see* Business depression; Panics

Critical philosophy

See also Philosophy, German

Criticism

See also Art — Criticism; Bible — Criticism and interpretation; Book reviews; Esthetics; Literature — History and criticism; Music — History and criticism; Rhetoric; *also* names of literatures, subhead History and criticism

Crocheting

See also Fancy work

Crockery *see* Pottery

Cromlechs

Crop reports *see* Agriculture — Statistics; Agriculture — [country subhead] — Statistics

Crop rotation *see* Rotation of crops

Crops

See also Agricultural products; Agriculture; Agriculture — Statistics; Rotation of crops; *also* names of special crops, e.g. Root crops

Croquet

Cross

See also Christian art and symbolism; Crucifixion; Swastika; Symbolism

Cross-country running *see* Running

Cross-examination *see* Witnesses

Cross-ties *see* Railroads — Ties

Crosses *see* Cross

Crossings, Railroad, *see* Railroads — Crossings

Croup

See also Respiratory organs — Diseases

Crowds

See also Lynch law; Riots; Social psychology

Crown gall

Crown lands *see* Public lands

Refer from Prisons — U. S.; U. S.— Crime and criminals (s)

Refer from Eastern question (Near East); England — History — Victorian period; Europe — History — 1789–; France — History — Second empire; Russia — History; Russo-Turkish war, 1853–1856 (s); Turkey — History

Refer from Crime and criminals; Law; Penal codes (s); Penal law (s); Punishment

Refer from Kantianism (s); Philosophy; Philosophy, Critical (s); Philosophy, German

Refer from Appraisal of books (s); Book reviews; Books — Appraisal (s); Esthetics; Evaluation of literature (s); Literary criticism (s); Literature; Literature — History and criticism; Rhetoric

Refer from Fancy work; Needlework

Refer from Archaeology; Dolmens (s); Monuments; Tombs

Refer from Agricultural products; Agriculture

Refer from Games

Refer from Archaeology; Christian art and symbolism; Crosses (s); Crucifixion; Jesus Christ; Legends; Symbolism; Theology

Refer from Children — Diseases; Medicine — Practice; Respiratory organs — Diseases

Refer from Mobs (s); Psychology; Social psychology; Sociology

Refer from Fruit — Diseases and pests; Fungi; Galls (botany)

- Crowns**
See also Coronations
- Crucifixion**
See also Cross; Jesus Christ — Passion
- Cruelty**
See also Animals — Treatment
- Cruisers** *see* Warships
- Crusades**
See also Children's crusade; Chivalry; Middle ages — History; Saracens
- Crusoe stories** *see* Castaways
- Crustacea**
See also Arthropoda; Trilobites
- Cryptogams**
See also Algae; Botany; Ferns; Fungi; Lichens; Mosses
- Cryptography** *see* Ciphers
- Crypts**
See also Tombs
- Crystal gazing**
- Crystallization** *see* Crystallography
- Crystallography**
See also Mineralogy
- Cultivated plants** *see* Plants, Cultivated
- Cultivating** *see* Tillage
- Cultivation of vacant lots** *see* Vacant lot cultivation
- Culture**
See also Civilization; College education, Value of; Education; Humanism; Scholars; Self-culture
 — Primitive, *see* Civilization — History
- Culverts**
See also Bridges
- Cumberland, Army of the, *see* Army of the Cumberland**
- Cumberland road**
Refer from National road (s); Roads — U. S.; Middle states
- Cuneiform writing**
See also Assyrian language; Assyro-Babylonian literature
- Cup races** *see* America's cup; Yachts and yachting
- Cupola furnaces**
See also Foundry work
- Cupping**
See also Bloodletting
- Curates** *see* Clergy
- Curfew law**
- Curling**
See also Winter sports
- Currency** *see* Money
- Currents** *see* Electric currents; Ocean currents; Winds
- Currents, Alternating, *see* Electric currents, Alternating**
- Refer from* Coronations; Regalia
- Refer from* Cross; Punishment
- Refer from* Ethics
- Refer from* Children's crusade; Chivalry; Church history — Middle ages; History; Middle ages — History; Saracens
- Refer from* Arthropoda; Invertebrates; Marine zoology; Trilobites
- Refer from* Algae; Botany; Bryophytes (s); Ferns; Fungi; Lichens; Mosses
- Refer from* Church architecture; Tombs
- Refer from* Divination; Fortune telling; Occult sciences
- Refer from* Chemistry; Chemistry, Physical; Crystallization (s); Groups, Theory of; Mineralogy
- Refer from* Civilization; College education, Value of; Conduct of life; Education; Learning (s); Scholars; Scholarship (s)
- Refer from* Arches; Bridges; Hydraulic engineering; Railroads — Construction
- Refer from* National road (s); Roads — U. S.; Middle states
- Refer from* Alphabet; Assyrian language; Assyro-Babylonian literature; Inscriptions; Writing
- Refer from* Blast furnaces; Foundry work; Furnaces; Tuyeres (s)
- Refer from* Bloodletting; Therapeutics
- Refer from* Children — Law
- Refer from* Games; Winter sports

Curriculum

See also Classical education; Overpressure (education); Vocational education

Curved surfaces *see* Surfaces

Curves

See also Circle; Conic sections; Curves in engineering

Curves in engineering

See also Civil engineering

Customs *see* Manners and customs; Tariff

Cut glass *see* Glass

Cutaneous diseases *see* Skin — Diseases

Cutlery

See also Knives

Cutter classification *see* Classification, Expansive

Cutting *see* Dressmaking; Garment cutting; Tailoring

Cutworms**Cyanide process**

See also Metallurgy

Cyanotype *see* Blue prints

Cycles, Motor, *see* Motor cycles

Cycling

See also Bicycles and tricycles; Motor cycles

Cyclones

See also Hurricanes; Storms; Tornadoes

Cyclopedias *see* Encyclopedias

Cycloramas

See also Panoramas

Cymric language *see* Welsh language

Cymric literature *see* Welsh literature

Cyphers *see* Ciphers

Cytokinesis *see* Karyokinesis

Cytology *see* Cells

Czechic language *see* Bohemian language

Czechic literature *see* Bohemian literature

Czechs

See also Bohemia; Slavs

Dacoits**Daguerreotypes**

See also Photography

Daily readings

Dairy *see* Dairying

Dairy bacteriology

See also Bacteriology, Agricultural; Cheese; Milk

Dairy chemistry *see* Agricultural chemistry; Dairy bacteriology

Dairy products

See also Butter; Cheese; Cream; Dairying; Milk; Oleomargarine

Refer from Classical education; Colleges and universities; Courses of study (s); Education; Overpressure (education); Schools; Teaching

Refer from Calculus; Conic sections; Geometry; Geometry, Analytic

Refer from Civil engineering; Curves; Engineering; Railroads — Construction

Refer from Hardware; Knives; Manufactures; Metal work

Refer from Insects, Injurious and beneficial; Moths

Refer from Electrometallurgy; Gold; Metallurgy; Ore treatment; Silver

Refer from Bicycles and tricycles; Bicycling (s); Locomotion; Sports; Tricycling (s); Wheeling (s)

Refer from Hurricanes; Meteorology; Storms; Tornadoes; Winds

Refer from Panoramas

Refer from Bohemia; Slavs

Refer from Brigands and robbers; Crime and criminals; Dacoits (s); Murder

Refer from Photography

Refer from Calendars; Devotional exercises; Quotations

Refer from Bacteriology; Bacteriology, Agricultural; Cheese; Chemistry, Dairy (s); Dairy chemistry (s); Dairying; Milk

Refer from Agricultural products; Animal products; Butter; Cheese; Cream; Dairying; Milk

Dairying

See also Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy bacteriology; Dairy products; Goats; Milk; Milking

Refer from Agriculture; Butter; Cattle; Cheese; Cows; Cream; Cream separators; Creameries; Dairy (s); Dairy products; Home economics; Milk; Milking

Dakots *see* Dacoits

Daltonism *see* Color blindness

Damages

See also Appraising; Arbitration and award; Demurrage; Eminent domain; Employers' liability; Indemnity; Libel and slander; Negligence

Refer from Accidents; Agency; Appraising; Arbitration and award; Compensation (s); Demurrage; Eminent domain; Employers' liability; Indemnity; Injuries (s); Law; Negligence; Property; Torts

Damascening *see* Damaskeening

Damaskeening

Refer from Damasceining (s); Inlay; Metal work

Refer from Buildings, Dampness in (s); Humidity; Waterproofing

Dampness in buildings**Dams**

See also Cofferdams; Embankments; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Walls

Refer from Earthwork; Hydraulic engineering; Irrigation; Masonry; Reservoirs; Rivers; Walls; Water supply; Weirs (s)

Dance music

See also Dancing; Waltzes

Refer from Dancing; Instrumental music; Music; Waltzes

Dancing

See also Ballet; Balls (parties); Cotillion; Dance music; Indians — Dances; Morris dance

Refer from Amusements; Ballet; Balls (parties); Cotillion; Dance music; Ethics; Etiquet; Folk dances (s); Morris dance; Waltzing (s)

Refer from Beaux (s); Costume; Fashion; Fops (s)

Dandies**Danegeld**

See also Taxation — England

Refer from Taxation

Danes in the U. S.

See also Scandinavians in the U. S.

Refer from Scandinavians in the U. S.; U. S. — Foreign population

Dangerous classes *see* Crime and criminals; Poor

Dangerous occupations *see* Occupations, Dangerous

Danish language

See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Danish literature

See also Norwegian literature; Scandinavian literature

Refer from Norwegian literature; Scandinavian literature

Darbyites *see* Plymouth brethren

Dark ages *see* Middle ages

Darning *see* Mending and repairing

Darwinism *see* Darwin, Charles; Evolution; Natural selection

Dates *see* Chronology, Historical

Day nurseries *see* Crèches

Day of judgment *see* Judgment day

Dayaks *see* Dyaks

Daylight saving

Refer from Hours of labor; Time

Days

See also Almanacs; Birthdays; Fasts and feasts; Festivals; Holidays; Night; *also* names of days of the week, and of special days, e.g. April fools' day; May day

Refer from Time

Deaconesses

Refer from Church polity; Church work; Sisterhoods; Women

Deacons

For deacons in orders *see* Clergy

Dead *see* Death

Deaf and dumb

See also Deafness; Defectives; Lip reading; Sign language

—Asylums and education

Deaf-mutes *see* Deaf and dumb

Deafness

See also Deaf and dumb; Ear; Hearing

Death

See also Autopsy; Biology; Burial; Conso-
lation; Coroners; Cremation; Embalming;
Eschatology; Funeral rites and ceremonies;
Future life; Future punishment; Heaven;
Hell; Mortality; Mourning customs; Mur-
der; Purgatory; Resurrection; Suicide; Vital
statistics

—Apparent, *see* Suspended animation

Death-bed words *see* Last words of famous
people

Death duties *see* Inheritance and transfer tax

Death notices *see* Obituaries

Death penalty *see* Capital punishment

Death rate *see* Mortality; Vital statistics

Death records *see* Vital records

Debates *see* Debating; *also* names of legisla-
tive bodies, etc.

Debating

See also Elocution; Logic; Oratory; Par-
liamentary practice

Debt

See also Assignments; Bankruptcy; Com-
mercial law; Credit; Debts, Public; Limita-
tions (law); Loans

Debts, Public

See also Drago doctrine; Finance; Loans;
Repudiation; Sinking funds; *also* names of
countries and cities, subhead Finance

Decadence *see* Degeneration

Decalogue *see* Commandments

Decimal classification *see* Classification, Dec-
imal

Decimal system

See also Metric system; Weights and
measures

Declamation *see* Elocution; Orations; Recita-
tions and readings

Declaration of independence

See also Fourth of July; U. S. — History
— Revolution

—Signers

Declination of the compass *see* Compass

Decoration and ornament

See also Arabesque; Architectural design;
Architecture; Art; Arts and crafts; Bas-
relief; Bric-a-brac; Bronzes; Bronzing;
Cabinet work; Carving (art industries);
China painting; Church decoration and
ornament; Design, Decorative; Devices;

Refer from Church polity

Refer from Consanguinity; Deaf-mutes (s);
Deafness; Defectives; Dumb (s); Ear; Lip
reading; Sign language; Speech

Refer from Asylums; Charities; Charities,
Medical; Education

Refer from Deaf and dumb; Ear; Hearing;
Medicine — Practice

Refer from Biology; Dead (s); Eschatology;
Future life; Life; Mortality; Mortuary cus-
toms (s); Theology

Refer from Argument (s); Debates (s); Dis-
cussion (s); Elocution; Logic; Oratory

Refer from Bankruptcy; Commerce; Com-
mercial law; Credit; Contracts; Law; Loans

Refer from Bonds; Credit; Debt; Economics;
Finance; National debts (s); Public debts (s);
Repudiation; State debts (s)

Refer from Arithmetic; Metric system;
Money; Notation (mathematics); Weights
and measures

Refer from Fourth of July; U. S. — History
— Revolution

Refer from Signers of the Declaration of
independence (s); U. S. — Biography; U. S. —
History — Revolution — Biography

Refer from Arabesque; Architecture; Art;
Art, Decorative (s); Arts and crafts; Bric-a-
brac; Cabinet work; Design, Decorative;
Drawing; Fancy work; House decoration;
Ornament (s); Painting; Wood carving

Embroidery; Enamel; Fancy work; Floral decoration; Frescoes; Furniture; Gems; House decoration; Illumination of manuscripts and books; Illustration of books; Inlay; Ironwork; Jewelry; Lettering; Metal work; Moldings; Monograms; Mosaics; Mural painting and decoration; Painting; Plant forms; Pottery; School decoration; Sculpture; Stained glass; Stencil work; Stucco; Tapestry; Terra cotta; Textile design; Vases; Window dressing; Wood carving

Decoration day *see* Memorial day

Decorations of honor

See also Heraldry; Insignia; Medals; Titles of honor and nobility; Victoria cross

Decorative design *see* Design, Decorative

Dedication of books *see* Book dedication

Dedication of churches *see* Church dedication

Deeds

See also Acknowledgments; Charters; Conveyancing; Easements; Gifts; Land titles; Real estate; Torrens system

Deep-sea fauna *see* Marine zoology

Deep-sea sounding *see* Sounding and soundings

Deer

See also Reindeer; Ungulata

Defalcation *see* Embezzlement

Defamation *see* Libel and slander

Defectives

See also Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Feeble-minded; Idiocy; Insanity; Juvenile delinquency

Defenses, National, *see* Coast defense; *also* names of countries, subhead Defenses

Definition

Deformities

See also Defectives; Monsters

Degeneration

See also Crime and criminals; Defectives; Evolution; Heredity; Insanity; Physical deterioration; Vice

Degrees, Academic

Degrees of latitude and longitude *see* Geodesy;

Latitude and longitude

Dehorning of cattle *see* Horns

Deism

See also Atheism; Christianity; Free thought; God; Positivism; Rationalism; Skepticism; Theism

Delaware Indians

See also Algonquian Indians

Refer from Badges of honor (s); Heraldry; Insignia; Medals; Titles of honor and nobility

Refer from Acknowledgments; Commercial law; Contracts; Conveyancing; Documents (s); Forms (in law); Land; Land titles; Real estate

Refer from Cervidae (s); Game; Hunting; Ungulata

Refer from Auxiliary schools; Blind; Children, Abnormal and backward; Crime and criminals; Deaf and dumb; Deformities; Degeneration; Dependent classes (s); Feeble-minded; Heredity; Idiocy; Insanity; Juvenile delinquency; Mentally deficient children (s); Social problems; Sociology

Refer from Language; Words

Refer from Defectives; Monsters; Orthopedics (s); Physiology; Surgery; Teratology (s)

Refer from Anthropology; Civilization; Consanguinity; Crime and criminals; Decadence (s); Defectives; Eugenics; Evolution; Heredity; Insanity; Physical deterioration; Physiology; Vice

Refer from Academic degrees (s); Bachelor's degrees (s); College degrees (s); Colleges and universities; Doctor's degrees (s); Honorary degrees (s); Scholars; Titles of honor and nobility; University degrees (s)

Refer from Atheism; Christianity; Free thought; God; Natural religion; Philosophy; Rationalism; Religion; Skepticism; Theism; Theology

Refer from Algonquian Indians; Lenape Indians (s); Lenni Lenape (s)

Delinquent children *see* Juvenile delinquency
Delsarte system

See also Expression

Deltas

See also Physical geography

Deluge

See also Bible — Old Testament — Genesis

Delusions *see* Errors, Popular; Illusions and hallucinations; Imposture; Medical delusions; Sea serpents; Superstition; Swindlers and swindling; Witchcraft

Demand and supply *see* Supply and demand

Dementia *see* Insanity

Democracy

See also Aristocracy; Despotism; Equality; Federal government; Government; Liberty; Monarchy; Referendum; Representative government and representation; Republics; Socialism; Suffrage; Town meeting

Democratic party

See also Tammany Hall; U. S. — Politics
Demonetization of silver *see* Silver (as money)

Demonology

See also Amulets; Apparitions; Charms; Devil; Devil worship; Evil eye; Magic; Occult sciences; Superstition; Witchcraft

Demonstration work in agriculture *see* Agriculture — Demonstration work

Demurrage

See also Carriers; Damages

Denatured alcohol *see* Alcohol, Denatured

Dendrology *see* Trees

Denominational schools *see* Church and education; Church schools

Denominations, Religious, *see* Sects; *also* names of churches and sects

Density *see* Specific gravity

Dentistry

See also Dentists; Mouth; Teeth

Dentists

Denudation *see* Erosion

Department stores

See also Mail order business

Departmental system of teaching *see* Teaching — Departmental system

Dependencies *see* Colonies and colonization

Dependent children *see* Children — Charities, protection, etc.

Dependent classes *see* Charities; Crime and criminals; Defectives; Poor

Deportation *see* Penal colonies

Deposition (geology) *see* Sedimentation and deposition

Depots *see* Railroads — Stations

Depravity

See also Sin

Dermatology *see* Skin

Derricks *see* Cranes, derricks, etc.

Refer from Dramatic expression (s); Elocution; Expression; Gesture; Physical education

Refer from Physical geography; Rivers

Refer from Bible; Bible — Old Testament — Genesis; Earth; Flood (s); Geology

Refer from Aristocracy; Constitutional history; Constitutional law; Despotism; Equality; Federal government; Free institutions; Government; Liberty; Monarchy; People; Popular government (s); Presidential government (s); Representative government and representation; Republics; Self-government (s)

Refer from Political parties; U. S. — Politics

Refer from Angels; Apparitions; Devil; Devil worship; Evil spirits (s); Ghosts; Occult sciences; Spirits (s); Superstition; Witchcraft

Refer from Admiralty; Carriers; Damages; Freight; Transportation

Refer from Medicine; Professions; Surgery; Teeth

Refer from Biography; Dentistry

Refer from Business; Competition; Stores (s)

Refer from Sin; Theology; Total depravity (s)

Dervishes

See also Mohammedanism

Descent *see* Genealogy; Heredity; Primogeniture

Description (rhetoric) *see* Descriptive writing

Descriptive geometry *see* Geometry, Descriptive

Descriptive writing

See also Rhetoric

Desecration *see* Sacrilege

Desert vegetation

See also Dry farming

Deserts

See also Desert vegetation; Mirage; Oases;

Reclamation of land

Design, Architectural, *see* Architectural design

Design, Argument for, *see* Teleology

Design, Decorative

See also Architectural design; Art; Arts and crafts; Book covers; Carving (art industries); Decoration and ornament; Drawing; Lettering; Plant forms; Stencil work; Textile design

Design, Machine, *see* Machine design

Des Moines plan of city government *see* Municipal government — Commission plan

Despotism

See also Democracy; Kings and rulers; Liberty; Monarchy; Paternalism; Tyranny

Desserts

See also Cookery; Dinners and dining;

Ices

Destiny *see* Fate and fatalism

Details, Architectural, *see* Architecture —

Details

Detective stories**Detectives**

See also Detective stories; Police; Secret service

Determinants

See also Algebra

Determinism *see* Freedom of the will

Determinism, Economic, *see* Economic determinism

Detroit plan *see* Vacant lot cultivation

Development *see* Embryology; Evolution; Growth

Devices

See also Emblems; Heraldry; Insignia; Mottoes; Symbolism

Devil

See also Demonology; Devil worship

Devil worship

See also Demonology; Occult sciences

Devonian period *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian

Devotion *see* Devotional exercises; Prayer; Worship

Devotional exercises

See also Church music; Church services; Consolation; Daily readings; Family wor-

Refer from Mohammedanism; Religions

Refer from Description (rhetoric) (s); Rhetoric

Refer from Botany; Deserts; Dry farming

Refer from Oases; Physical geography

Refer from Art; Art, Decorative (s); Arts and crafts; Book covers; Decoration and ornament; Decorative design (s); Drawing; Floral design (s); Ornamental design (s); Plant forms

Refer from Absolutism (s); Caesarism (s); Democracy; Government; Monarchy; Paternalism; Tyranny

Refer from Cookery; Dinners and dining

Refer from Detectives; Fiction

Refer from Crime and criminals; Police; Secret service

Refer from Algebra

Refer from Coats of arms (s); Decoration and ornament; Emblems; Heraldry; Insignia; Mottoes; Symbolism

Refer from Demonology; Folklore; Satan (s); Superstition; Theology

Refer from Demonology; Devil; Worship

Refer from Christian life and character; Church services; Devotion (s); Family wor-

- ship; Hymns; Liturgies; Lord's prayer; Lord's supper; Meditations; Prayers; Responsive worship; Worship
- Dew**
See also Humidity
- Dewey classification *see* Classification, Decimal
- Diabetes**
- Diagnosis**
See also Auscultation; Medicine — Practice; Pain; Pathology; Sphygmograph; X rays
- Dialect recitations *see* Recitations and readings, Dialect
- Dialectics *see* Logic
- Dialects**
See also Slang; *also* names of languages, subhead Dialects
- Dialing *see* Sundials
- Dialogues**
See also Recitations and readings
- Dials *see* Sundials
- Diamagnetism**
See also Magnetism
- Diamond drilling *see* Boring; Rock drills
- Diamond necklace affair**
See also Marie Antoinette
- Diamonds**
See also Gems; Mineralogy; Precious stones
- Dice**
- Dictionaries**
See also Classical dictionaries; Dictionaries, English; Encyclopedias; Technical dictionaries; *also* subhead Dictionaries under names of languages other than English, and under special subjects
- **English**
See also English language — Dialects; Synonyms and antonyms, English
- Didactics *see* Teaching
- Dies**
See also Forging; Metal work; Punching machinery; Sheet-metal work
- Diet**
See also Animal food; Beverages; Children — Care and hygiene; Cookery; Cookery for the sick; Digestion; Dyspepsia; Food; Menus; Nutrition; School lunches; Starvation; Stimulants; Vegetarianism
- Differential calculus *see* Calculus
- Diffraction**
See also Light
- Digestion**
See also Absorption (physiology); Diet; Digestive system; Dyspepsia; Enzymes; Food; Metabolism; Nutrition; Stomach
- Digestive system**
See also Anatomy; Digestion; Intestines; Liver; Mouth; Physiology; Stomach; Teeth
- Dikes (engineering) *see* Embankments
- ship; Meditations; Prayer; Prayers; Religion; Religious services (s); Worship
- Refer from* Humidity; Meteorology; Night; Water
- Refer from* Medicine — Practice
- Refer from* Auscultation; Medicine; Medicine — Practice; Pathology; Surgery; Symptoms (s)
- Refer from* Language
- Refer from* Amateur theatricals; Drama; Literature; Recitations and readings
- Refer from* Magnetism; Physics
- Refer from* France — History — Bourbons; Marie Antoinette
- Refer from* Carbon; Gems; Mineralogy; Precious stones
- Refer from* Gambling; Games
- Refer from* Encyclopedias; Lexicons (s); Reference books
- Refer from* Dictionaries; English dictionaries (s); English language; English language — Dictionaries (s)
- Refer from* Forging; Metal work; Punching machinery; Sheet-metal work
- Refer from* Cookery; Cookery for the sick; Digestion; Eating; Food; Food for invalids (s); Home economics; Hygiene; Invalids; Nurses and nursing; Nutrition; Therapeutics
- Refer from* Light
- Refer from* Absorption (physiology); Diet; Digestive system; Dyspepsia; Food; Indigestion (s); Metabolism; Nutrition; Physiological chemistry; Physiology; Stomach
- Refer from* Alimentary canal (s); Anatomy; Digestion; Intestines; Liver; Physiology; Stomach

Dikes (geology)

See also Igneous rocks

Dimension, Fourth, *see* Fourth dimension

Dining *see* Dinners and dining

Dinners and dining

See also After-dinner speeches; Carving (meat, etc.); Cookery; Desserts; Drinking customs; Eating; Food; Menus; Table; Toasts

Diocesan schools *see* Church schools

Dioptrics *see* Refraction

Diphtheria

See also Antitoxins

Diplomacy

See also Ambassadors; Consuls; Diplomatic and consular service; Diplomatic memoirs; Diplomats; International law; International relations; Precedence; Treaties; *also* names of countries, subheads Diplomatic and consular service and Foreign relations

Diplomatic and consular service

See also Ambassadors; Consuls; Diplomacy; Diplomatic memoirs; Diplomats; Extritoriality; International law; International relations; *also* names of countries, subhead Diplomatic and consular service

Diplomatic memoirs

Diplomatics *see* Paleography

Diplomats

See also Ambassadors; Consuls

Dipsomania *see* Alcoholism

Diptera

See also Flies; Hessian flies; Insects; Mosquitoes; Tsetse flies

Direct legislation *see* Referendum

Direct nominations *see* Nominations; Primaries

Direct primaries *see* Primaries

Direct taxation *see* Income tax; Taxation

Direction, Sense of, *see* Orientation

Directories

See also names of places and subjects, subhead Directories

Directory, French, *see* French revolution

Dirigible balloons *see* Airships

Disarmament

See also Arbitration, International; Armies; International relations; Militarism; Navies; Peace; Sea power; War

Disasters

See also Accidents; Collisions at sea; Earthquakes; Fires; Floods; Mine accidents; Railroads — Accidents; Red cross; Shipwrecks; Storms; *also* special disasters

Discharged prisoners

See also Parole

Refer from Dykes (s); Geology; Igneous rocks

Refer from Banquets (s); Cookery; Desserts; Dining (s); Drinking customs; Eating; Entertaining; Etiquet; Food; Gastronomy (s); Home economics; Meals (s); Menus; Table

Refer from Children — Diseases; Contagion and contagious diseases; Medicine — Practice

Refer from Ambassadors; Consuls; Diplomatic and consular service; Government; History; International law; International relations; Ministers of state; Statesmanship (s); Treaties

Refer from Ambassadors; Consular service (s); Consuls; Diplomacy; Diplomats; Government; International law; International relations; Legations (s)

Refer from Biography; Courts and courtiers; Diplomacy; Diplomatic and consular service; History — Sources; International relations

Refer from Ambassadors; Biography; Diplomacy; Diplomatic and consular service; International relations; Statesmen

Refer from Flies; Insects; Mosquitoes

Refer from Arbitration, International; Armaments (s); Armies; International relations; Militarism; Military art and science; Military power (s); Navies; Peace; Sea power; War

Refer from Accidents; History; Relief work (s)

Refer from Convicts (s); Crime and criminals; Ex-convicts (s); Parole; Prisoners, Discharged (s); Prisons; Social work

Disciples of Christ

Discipline, Ecclesiastical, *see* Church discipline

Discipline, Mental, *see* Mental discipline

Discipline, School, *see* School management

Discount

See also Banks and banking; Interest

Discoverers *see* Discoveries and explorations; Explorers; Inventors

Discoveries (in geography) *see* Discoveries and explorations

Discoveries (in science) *see* Industrial arts; Inventions; Patents; Science

Discoveries and explorations

See also Antarctic regions; Arctic regions; Explorers; Geography — History; Northeast passage; Northwest passage; Scientific expeditions; Voyages and travels; *also* names of countries, subheads Description and travel and Discovery and exploration

Discussion *see* Debating

Disease *see* Pathology

Disease germs *see* Bacteriology; Germ theory of disease

Diseases *see* Medicine — Practice; *also* names of diseases and of classes of diseases, e.g. Contagion and contagious diseases, Mental diseases; and subhead Diseases under various subjects, e.g. Children — Diseases, Nervous system — Diseases, Occupations — Diseases and hygiene

Diseases of animals *see* Animals — Diseases; Veterinary medicine

Diseases of plants *see* Plants — Diseases

Disestablishment *see* Church and state; Church of England — Establishment

Disfranchisement *see* Suffrage

Dishonesty *see* Honesty

Disinfection and disinfectants

See also Antiseptics; Formaldehyde; Fumigation; Putrefaction

Dislocations

See also Bones; Joints; Radiography; Surgery; X rays

Dispensaries

See also Charities, Medical; Hospitals

Dispensary system

See also Gothenburg system

Dispensatories

See also Materia medica; Pharmacopoeias

Disposal of refuse *see* Refuse and refuse disposal

Dissection

See also Anatomy; Anatomy, Comparative; Autopsy; Vivisection

Dissenters

See also Brownists; Church of England; Church rates; Congregationalism; England — Religious history; Friends, Society of; Methodism; Nonjurors; Presbyterianism; Puritans

Refer from Campbellites (s); Christian church (Disciples) (s); Church of Christ (Disciples) (s); Sects

Refer from Banks and banking; Interest

Refer from Adventure; Discoverers (s); Discoveries (in geography) (s); Explorations (s); Explorers; Geography; Geography — History; Heroes; History; Voyages and travels

Refer from Antiseptics; Cleanliness; Contagion and contagious diseases; Formaldehyde; Fumigation; Cermicides (s); Hygiene; Hygiene, Public; Putrefaction; Sanitation

Refer from Bones; Joints; Luxations (s); Surgery

Refer from Charities; Charities, Medical; Hospitals

Refer from Gothenburg system; Liquor laws; Liquor traffic

Refer from Drugs; Materia medica; Medical botany; Pharmacopoeias; Pharmacy

Refer from Anatomy; Surgery; Vivisection

Refer from Brownists; Church history; Church history — Modern; Church of England; Congregationalism; Liberty of conscience; Nonconformists (s); Puritans; Sects

Dissociation

See also Chemistry, Physical; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ions

Distances**Distillation**

See also Alcohol; Brandy; Chemistry, Technical; Coal-tar products; Essences and essential oils; Liquors; Wood distillation

Distribution of animals and plants *see* Geographical distribution of animals and plants

Distribution of electricity *see* Electricity — Distribution

Distribution of seed by the government *see* Seeds — Distribution

Distribution of wealth *see* Economics; Wealth

District nurses *see* Nurses and nursing

District schools *see* Country schools

Dividends *see* Securities; Stocks

Divination

See also Astrology; Clairvoyance; Crystal gazing; Divining rod; Dreams; Fortune telling; Occult sciences; Omens; Palmistry; Prophecies; Second sight; Superstition

Divine healing *see* Faith cure; Miracles

Divine right of kings

See also Monarchy

Diving

See also Diving bells; Pearls; Swimming

Diving bells**Divining rod**

Divinity *see* Jesus Christ — Divinity; Theology

Divinity schools *see* Theological schools

Divorce

See also Marriage

Docks

See also Civil engineering; Harbors; Wharves

Doctors *see* Physicians and surgeons

Doctor's degrees *see* Degrees, Academic

Doctrinal theology *see* Theology

Doctrines *see* Theology

Documents *see* Archives; Charters; Deeds; Government publications; *also* under name of body issuing

Dog *see* Dogs

Dog stories *see* Dogs — Stories

Doges

See also Genoa; Venice

Dogmatic theology *see* Theology

Dogs

See also Carnivora; Domestic animals; Hydrophobia; Veterinary medicine; *also* names of varieties of dogs

—Stories**Dolls**

Dolmens *see* Cromlechs

Domain, Eminent, *see* Eminent domain

Domes

See also Architecture; Roofs

Refer from Chemistry; Chemistry, Physical; Electrochemistry; Electrolysis; Ions; Matter

Refer from Geography

Refer from Alcohol; Boiling points; Brandy; Chemistry, Technical; Coal-tar products; Evaporation; Liquors

Refer from Augury (s); Fortune telling; Occult sciences; Omens; Prophecies; Superstition

Refer from Government; Kings and rulers; Monarchy

Refer from Baths and bathing; Swimming

Refer from Diving

Refer from Divination; Folklore; Water, Underground

Refer from Church law; Domestic relations; Ethics; Family; Law; Marriage; Social problems; Sociology; Women — Law

Refer from Civil engineering; Dry docks (s); Engineering; Harbors; Hydraulic engineering; Wharves

Refer from Genoa; Kings and rulers; Venice

Refer from Carnivora; Dog (s); Domestic animals; Hunting; Hydrophobia; Pets; Veterinary medicine

Refer from Animals — Stories; Dog stories (s)

Refer from Toys

Refer from Architecture; Roofs; Vaulting

Domesday book

Domestic animals

See also Animals — Treatment; Barns and stables; Breeding; Cage birds; Cats; Cattle; Cows; Dogs; Domestication; Goats; Horse; Live stock; Pets; Pigeons; Poultry; Sheep; Swine; Veterinary medicine; Zoology

Domestic animals — Diseases, *see* Veterinary medicine; *also* names of animals and of diseases

Domestic architecture *see* Architecture, Domestic

Domestic arts

See also Arts and crafts, and references under that subject; Basketwork; Canning and preserving; Cookery; Dressmaking; Embroidery; Fancy work; Handicraft; Home economics; Lace; Millinery; Needlework; Rugs; Weaving

Domestic economy *see* Home economics

Domestic education *see* Home economics — Study and teaching; Home education

Domestic hygiene *see* Sanitation, Household

Domestic relations

See also Divorce; Family; Guardians; Husbands; Marriage; Master and servant; Parents; Wives

Domestic science *see* Home economics

Domestic service *see* Servants

Domestication

See also Animals — Training; Domestic animals; Plants, Cultivated

Domestics *see* Servants

Dominicans

See also Monasticism

Dominion of the sea *see* Maritime law; Sea power

Dominoes

Donatists

See also Church history — Early church

Doomsday book *see* Domesday book

Doors

See also Architecture; Gates; Grilles; Lattice

Dorr rebellion, 1842

See also Rhode Island — History

Double consciousness *see* Personality

Double personality *see* Personality

Double stars *see* Stars

Doubt *see* Belief; Faith; Skepticism

Doukhobors *see* Dukhobors

Douma *see* Russia — Duma

Doves *see* Pigeons

Draft, Mechanical, *see* Mechanical draft

Draft riot, 1863

Drafting, Mechanical, *see* Mechanical drawing

Drafting, Military, *see* Conscription

Refer from Domesday book (s); England — History — Normans; Land tenure — England; Taxation — England

Refer from Agriculture; Animal industry (s); Animals; Animals — Diseases; Animals, Domestic (s); Animals, Useful and harmful (s); Beasts (s); Breeding; Cats; Dogs; Domestication; Farm animals (s); Horse; Live stock; Pets; Quadrupeds; Veterinary medicine; Zoology; Zoology, Economic

Refer from Arts and crafts; Handicraft; Home economics; Household arts (s); Industrial arts

Refer from Family; Guardians; Husband and wife (s); Husbands; Law; Marriage; Master and servant; Parents; Wives

Refer from Animals — Training; Domestic animals; Zoology

Refer from Friars preachers (s); Monasticism; Preaching friars (s)

Refer from Games

Refer from Church history — Early church

Refer from Architecture; Building; Carpentry

Refer from Rhode Island — History

Refer from Conscription; New York (city) — History; New York (city) — Riots; Riots; U. S. — History — Civil war

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the city of New York.

2.

3.

4.

5.

6.

7.

8.

9.

Drafting room practice

See also Card system in business; Machine design; Mechanical drawing

Drago doctrine

Dragons

See also Animal lore; Animals, Mythical

Drainage [for land drainage only]

See also Agricultural physics; Irrigation; Marshes; Reclamation of land; Sewerage

Drama

See also Acting; Actors; Amateur theatricals; Charades; Christmas plays; College plays; Comedy; Dialogues; Dramatists; Literature; Monologues; Masques (plays); Miracle, morality and mystery plays; Opera; Pageants; Pantomime; Passion plays; Plots (drama, novel, etc.); Prologues; Puppet plays; Tableaux; Theater; Tragedy; *also* American drama, English drama, etc.

Dramatic art *see* Acting

Dramatic education *see* Acting — Study and teaching

Dramatic expression *see* Acting; Delsarte system; Elocution; Expression

Dramatic music *see* Opera; Operettas

Dramatic plots *see* Plots (drama, novel, etc.)

Dramatists

See also Authors; Poets

Drapery

See also Tapestry; Upholstery

Draught, Mechanical, *see* Mechanical draft

Draughting, Mechanical, *see* Mechanical drawing

Draughting room practice *see* Drafting room practice

Draughts *see* Checkers

Dravidian languages

See also Oriental languages; Tamil language and literature

Draw-poker *see* Poker

Drawbacks

Drawbridges

See also Bridges

Drawing

See also Anatomy, Artistic; Animal painting and illustration; Architectural drawing; Caricature and cartoons; Chalk talks; Charcoal drawing; Crayon drawing; Decoration and ornament; Design, Decorative; Drawings; Figure drawing; Flower painting and drawing; Geometrical drawing; Graphics; Illustration of books; Map drawing; Mechanical drawing; Painting; Pastel; Pen drawing; Perspective; Posters; Projection; Proportion (art); Shades and shadows; Silhouettes; Topographical drawing

Drawing instruments

See also Mechanical drawing

Refer from Draughting room practice (s); Drawing room practice (s); Machine design; Machine shop practice; Mechanical drawing

Refer from Debts, Public; International law; Monroe doctrine

Refer from Animal lore; Animals, Mythical; Monsters

Refer from Agricultural physics; Agriculture; Civil engineering; Engineering; Hydraulic engineering; Irrigation; Land drainage (s); Marshes; Reclamation of land; Soil moisture; Soils

Refer from Acting; Comedy; Literature; Miracle, morality and mystery plays; Play writing (s); Plays (s); Poetry; Prologues; Rhetoric; Stage (s); Theater; Tragedy

Refer from Authors; Drama; Playwrights (s); Poets

Refer from House decoration; Tapestry; Upholstery

Refer from Language; Oriental languages; Tamil language and literature

Refer from Rebates (of duties) (s); Tariff

Refer from Bridges

Refer from Art; Design, Decorative; Free-hand drawing (s); Graphic arts (s); Illustration of books; Manual training; Painting; Perspective; Sculpture; Sketching (s)

Refer from Instruments; Mathematical instruments; Mechanical drawing

Drawing-room plays *see* Amateur theatricals
Drawing room practice *see* Drafting room practice

Drawings

See also Engravings; Etchings

Drawn work

See also Fancy work

Dreams

See also Apparitions; Fortune telling; Nightmare; Psychology; Sleep; Somnambulism

Dredging

See also Civil engineering; Excavating machinery; Gold dredging; Marine biology; Marine zoology; Ocean

Dress *see* Clothing; Costume; Dress reform; Dressmaking

Dress reform

Dressmaking

See also Garment cutting; Needlework; Tailoring

Drift

See also Boulders; Geology; Glacial period; Glaciers; Moraines

Drill (military)

See also Artillery drill and tactics; Cavalry drill and tactics; Infantry drill and tactics; Military art and science; Tactics

Drilling (earth and rock) *see* Boring

Drilling (perforating)

See also Machine shop practice

Drills and marches

Drink question *see* Liquor problem

Drinking customs

See also Dinners and dining; Eating; Temperance; Toasts

Drinking songs

See also College songs

Drinks *see* Beverages; Liquors

Driving

See also Checkreins; Coaches and coaching; Horse; Horsemanship

Drop forging *see* Forging

Droughts

See also Rain

Drowning

See also Accidents; First aid in illness and injury; Life-saving; Suspended animation; Swimming

Drug habit *see* Narcotic habit

Druggists *see* Pharmacists

Drugs

See also Adulterations; Dispensatories; Materia medica; Medical botany; Medicines,

Refer from Drawing; Pictures

Refer from Fancy work; Needlework

Refer from Brain; Divination; Fortune telling; Mind and body; Night; Nightmare; Psychology; Sleep; Somnambulism; Superstition; Visions (s)

Refer from Civil engineering; Engineering; Excavating machinery; Harbors; Hydraulic engineering; Marine biology; Marine zoology; Ocean

Refer from Clothing; Costume; Dress (s); Hygiene

Refer from Clothing; Costume; Cutting (s); Domestic arts; Dress (s); Fashion; Garment cutting; Home economics; Needlework; Tailoring; Women — Occupations

Refer from Boulders; Geology; Glacial drift (s); Glacial period; Glaciers; Moraines

Refer from Military art and science; Tactics

Refer from Boring (metal working, etc.) (s); Machine shop practice; Machine tools

Refer from Amusements; Broom drill (s); Entertainments; Fan drill (s); Gymnastics; Marches (exercise) (s); Tambourine drill (s)

Refer from Beverages; Dinners and dining; Eating; Healths, Drinking of (s); Manners and customs; Temperance

Refer from Songs

Refer from Coaches and coaching; Horse; Horsemanship; Locomotion; Riding (s); Sports

Refer from Meteorology; Physical geography; Rain; Water supply; Weather

Refer from Accidents; First aid in illness and injury; Life-saving; Suspended animation

Refer from Adulterations; Materia medica; Medicines (s); Pharmacognosy (s); Pharma-

- Proprietary; Pharmacopoeias; Pharmacy; Poisons; *also* special drugs and groups of drugs, e.g. Anesthetics, Antitoxins, Narcotics, Stimulants
- Druids**
See also Britons; Celts; Mythology, Celtic
- Drummers *see* Commercial travelers
- Drunkenness *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance
- Druses**
- Dry docks *see* Docks
- Dry farming**
See also Desert vegetation; Tillage
- Dry goods**
See also Clothing; Hosiery; Textile industry and fabrics
- Dry rot**
See also Wood — Preservation
- Drying**
- Dual personality *see* Personality
- Dualism**
See also Manicheism; Mind and body; Monism; Neoplatonism; Platonists; Soul; Zoroastrianism
- Ducks**
See also Game birds; Poultry; Water birds
- Dueling**
See also Fencing; Honor; Wager of battle
- Duets, Instrumental**
- Duets, Vocal**
- Dukhobors**
See also Russia — Religious history
- Duma *see* Russia — Duma
- Dumb *see* Deaf and dumb
- Dumb-bells**
See also Gymnastics
- Dunes**
See also Physical geography
- Dungeons *see* Prisons
- Dunkards *see* German Baptist brethren
- Dunkers *see* German Baptist brethren
- Dust**
See also Bacteriology; House cleaning
- Dutch in the U. S.**
- Dutch language**
See also Germanic languages
- Dutch literature**
See also Dutch poetry
- Dutch poetry**
See also Dutch literature
- Dutch reformed church *see* Reformed church in America
- cology (s); Pharmacopoeias; Pharmacy; Poisons; Therapeutics
- Refer from* Britons; Celts; England — Antiquities; Mythology, Celtic; Religions
- Refer from* Religions
- Refer from* Agriculture; Arid farming (s); Desert vegetation; Farming, Dry (s); Irrigation; Tillage
- Refer from* Textile industry and fabrics
- Refer from* Fungi; Plants — Diseases; Timber; Wood — Preservation
- Refer from* Bleaching; Chemical engineering; Cleaning; Dyes and dyeing; Evaporation
- Refer from* Evil; Mind and body; Philosophy; Zoroastrianism
- Refer from* Game birds; Poultry; Water birds
- Refer from* Ethics; Fencing; Fighting (s); Honor; Manners and customs; Wager of battle
- Refer from* Instrumental music; Music — Scores; Piano music — Scores
- Refer from* Music — Scores; Songs
- Refer from* Doukhobors (s); Russia — Religious history; Sects
- Refer from* Gymnastics
- Refer from* Beaches; Physical geography; Seashore; Sand dunes (s)
- Refer from* Air pollution; Bacteriology; House cleaning; Hygiene; Occupations — Diseases and hygiene; Roads
- Refer from* U. S. — Foreign population
- Refer from* Germanic languages; Low German language
- Refer from* Dutch poetry
- Refer from* Dutch literature

Duties *see* Tariff

Duty

See also Conduct of life; Conscience; Ethics

Dwarfs

Dwellings *see* Architecture, Domestic; Housing problem

Dyaks

See also Borneo; Head-hunters

Dyeing *see* Dyes and dyeing

Dyes and dyeing

See also Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Drying; Indigo; Khaki

Dyestuffs *see* Dyes and dyeing

Dying words *see* Last words of famous people

Dykes *see* Dikes (geology); Embankments

Dynamics

See also Aerodynamics; Dynamometer; Electrodynamics; Force and energy; Hydrodynamics; Kinematics; Matter; Mechanics; Motion; Physics; Rotation; Statics; Thermodynamics

Dynamite

See also Explosives

Dynamo-electric machines *see* Dynamos;

Electric motors

Dynamometer

Dynamos

See also Armatures; Commutators; Electric motors; Switchboards

Dyspepsia

See also Digestion

Eagles

See also Birds

Ear

See also Deaf and dumb; Deafness; Hearing; Sound

Early church *see* Church history — Early church

Early English language *see* English language — Middle English

Early English literature *see* English literature — History and criticism — Middle English

Earth

See also Antarctic regions; Arctic regions; Astronomy; Climate; Creation; Deluge; Earthquakes; Geochemistry; Geodesy; Geography; Geology; Glacial period; Globes; Latitude and longitude; Magnetism, Terrestrial; Meteorology; Mines and mineral resources; North pole; Nutation; Ocean; Physical geography; Seasons; South pole; Tropics; Volcanoes

Refer from Conduct of life; Ethics

Refer from Man; Monsters; Pigmies (s); Pygmies (s)

Refer from Borneo; Dayaks (s); Head-hunters; Kayans (s)

Refer from Bleaching; Calico printing; Chemistry, Technical; Cleaning; Coal-tar colors; Color; Cotton; Dyeing (s); Dyestuffs (s); Industrial arts; Pigments (s); Scouring (s); Textile industry and fabrics; Wool

Refer from Force and energy; Kinematics; Kinetics (s); Matter; Mechanics; Motion; Physics; Rotation; Statics

Refer from Explosives

Refer from Dynamics; Electric testing; Force and energy; Power; Prony brake (s)

Refer from Armatures; Commutators; Dynamo-electric machines (s); Electric apparatus and appliances; Electric engineering; Electric generators (s); Electric machinery; Electric motors; Electricity; Generators, Electric (s); Machine shop practice; Motors

Refer from Diet; Digestion; Indigestion (s); Medicine — Practice

Refer from Birds

Refer from Anatomy; Deafness; Head; Hearing; Otology (s); Sound

Refer from Astronomy; Creation; Geography; Geology; Nature; Physical geography; Planets; Universe; World (s)

Earth—Continued

—**Age**

See also Creation; Geology

—**Figure**

See also Geodesy

—**Rotation**

—**Temperature**

Earth worms *see* Earthworms

Earthenware *see* Pottery

Earthquakes

See also Geology; Physical geography; Volcanoes

Earths, Rare, *see* Rare earths

Earthwork

See also Civil engineering; Dams; Embankments; Excavation; Fortification; Foundations; Tunnels; Walls

Earthworks (archaeology)

See also Archaeology; Mounds and mound builders

Earthworms

Easements

See also Eminent domain; Real estate

East

See also Asia; Levant

Easter

See also Carols; Jesus Christ—Resurrection and ascension; Lent

Eastern churches

See also Coptic church; Greek church; Nestorians

Eastern empire *see* Byzantine empire

Eastern question (Central Asia)

See also Asia, Central; British in Asia (Central); Russians in Asia (Central); Tibet; Turkestan

Eastern question (Far East)

See also Boxers; China; Chinese-Japanese war, 1894–1895; Japan; Korea; Manchuria; Russo-Japanese war, 1904–1905

Eastern question (Near East)

See also Balance of power; Balkan peninsula; Crimean war; Panislamism; Panslavism; Russia—Foreign relations; Russo-Turkish war, 1877–1878; Turkey—Foreign relations

Eating

See also Breakfasts; Cookery; Diet; Dinners and dining; Drinking customs; Food; Luncheons; Menus; Table

Eccentricity

Ecclesiastical antiquities *see* Christian antiquities

Ecclesiastical architecture *see* Church architecture

Ecclesiastical art *see* Christian art and symbolism

Refer from Geology

Refer from Figure of the earth (s); Geodesy

Refer from Pendulum; Rotation; Rotation of the earth (s)

Refer from Heat; Temperature

Refer from Disasters; Earth; Geology; Physical geography; Seismology (s); Volcanoes

Refer from Civil engineering; Embankments; Engineering; Excavation; Fortification; Foundations; Railroads; Railroads—Construction

Refer from Archaeology; Excavations (s); Mounds and mound builders

Refer from Earth worms (s); Worms

Refer from Deeds; Eminent domain; Land; Law; Real estate; Trespass

Refer from Asia; Far East (s); Levant; Orient (s)

Refer from Christian year; Fast and feasts; Holy week; Jesus Christ; Jesus Christ—Resurrection and ascension; Lent

Refer from Church history; Coptic church; Greek church; Nestorians

Refer from Asia, Central; British in Asia (Central); British in India; International relations; Russians in Asia (Central); Tibet; Turkestan

Refer from Boxers; China; Chinese question (s); Far-eastern question (s); International relations; Japan; Korea; Manchuria; Yellow peril (s)

Refer from Balance of power; Balkan peninsula; Balkan question (s); Europe—Politics; International relations; Russia—Foreign relations; Turkey—Foreign relations

Refer from Dinners and dining; Drinking customs; Food; Gastronomy (s); Manners and customs; Meals (s); Table

Refer from Conduct of life; Insanity; Psychology

Ecclesiastical biography *see* Christian biography

Ecclesiastical ceremonies *see* Rites and ceremonies

Ecclesiastical costume *see* Church vestments

Ecclesiastical fasts and feasts *see* Fasts and feasts

Ecclesiastical furniture *see* Church furniture

Ecclesiastical history *see* Church history

Ecclesiastical law *see* Church law

Ecclesiastical polity *see* Church polity

Ecclesiastical statistics *see* Church statistics

Ecclesiastical vestments *see* Church vestments

Echinodermata

See also Invertebrates

Eclectic medicine *see* Medicine, Eclectic

Eclipses

See also Astronomy; Astronomy, Spherical and practical; Moon; Occultations; Sun; Transits

Eclogues *see* Pastoral poetry

Ecology

See also Acclimatization; Acclimatization (plants); Adaptation (biology); Environment; Geographical distribution of animals and plants; Seeds — Dispersal

Economic botany *see* Botany, Economic

Economic conditions *see* names of countries, subhead Economic conditions

Economic determinism

See also Socialism

Economic entomology *see* Insects, Injurious and beneficial

Economic geography *see* Commercial geography

Economic geology *see* Geology, Economic

Economic zoology *see* Zoology, Economic

Economics

See also Apprentices; Balance of trade; Banks and banking; Business; Business depression; Capital; Charities; Combination, Industrial; Commerce; Communication; Communism; Competition; Consumption (economics); Cooperation; Corn laws; Cost; Cost of living; Credit; Debts, Public; Economic determinism; Efficiency, Industrial; Exchange; Factory system; Finance; Food supply; Gilds; Government ownership; Government regulation of industry; Home economics; Income; Individualism; Industry; Interest; Investments; Labor and capital; Labor and laboring classes; Labor unions; Land; Land tenure; Leisure class; Luxury; Manufactures; Money; Monopolies; Panics; Physiocrats; Poor; Population; Precious metals; Prices; Privileged classes; Profit; Profit sharing; Property; Prosperity; Rent; Salaries; Socialism; Speculation; Standard of living; Statistics; Stock exchange; Stocks; Strikes and lock-outs; Sumptuary laws; Supply and demand; Tariff; Tariff question; Taxation;

Refer from Invertebrates; Marine zoology

Refer from Astronomy; Astronomy, Spherical and practical; Lunar eclipses (s); Moon; Solar eclipses (s); Sun

Refer from Acclimatization; Acclimatization (plants); Adaptation (biology); Biology; Bioeconomics (s); Botany — Ecology (s); Environment; Geographical distribution of animals and plants; Natural history; Ecology (s); Zoology

Refer from Determinism, Economic (s); Economics; Historic materialism (s); History — Philosophy; Progress; Socialism

Refer from Banks and banking; Business; Capital; Commerce; Consumption (economics); Distribution of wealth (s); Exchange; Finance; Government; Individualism; Industry; Labor and laboring classes; Political economy (s); Prices; Production (s); Profit; Rent; Science; Social science (s); Socialism; Sociology; Supply and demand; Tariff; Tariff question; Taxation; Wages; Wealth

Thrift; Transportation; Trusts; Unearned increment; Unemployed; Value; Wages; Wealth; *also* names of countries, subhead Economic conditions

Economy *see* Thrift

Ecstasy

Ecumenical councils *see* Councils and synods.
also names of special councils

Eddas

See also Icelandic literature; Sagas

Eden

See also Bible — Old Testament — Genesis; Fall of man

Editorials

See also Journalism

Education

See also Auxiliary schools; Bible in the schools; Blind — Asylums and education; Books and reading; Business education; Charity schools; Child study; Children; Church and education; Civilization; Classical education; Coeducation; College education, Value of; Colleges and universities; Compulsory education; Correspondence schools and courses; Country schools; Culture; Curriculum; Deaf and dumb — Asylums and education; Education and citizenship; Education and crime; Education and state; Education of women; Educational associations; Educators; Evening and continuation schools; Examinations; Farm schools; Grammar schools; High schools; Home education; Illiteracy; Indians — Education; Industrial education; Kindergarten; Knowledge; Lectures and lecturing; Libraries; Libraries and schools; Lyceums; Manual training; Mechanics' institutes; Memory; Mental discipline; Military education; Moral education; Nature study; Naval education; Negroes — Education; Normal schools; Object teaching; Open-air schools; Overpressure (education); Physical education; Private schools; Professional education; Psychology; Psychology, Educational; Public schools; Public schools and religion; Ragged schools; Reformatories; Religious education; Research; Scholars; Scholarships; Schools; Self-culture; Self-government (in education); Seminary method; Students; Study; Summer schools; Sunday schools; Teachers; Teaching; Technical education; Textbooks; Theological schools; Trade schools; University extension; Vacation schools; Vocational education; *also* headings beginning School, and subhead Study and teaching under special subjects, e.g. Art — Study and teaching

— Classical, *see* Classical education

— Compulsory, *see* Compulsory education

— **Elementary**

See also Busy work; Children, Abnormal and backward; Country schools;

Refer from Psychology; Religion

Refer from Icelandic literature; Mythology, Norse; Sacred books; Sagas; Scandinavian literature

Refer from Bible — Old Testament — Genesis; Fall of man; Garden of Eden (s); Paradise (s)

Refer from Journalism; Literature; Newspapers; Rhetoric

Refer from Boys; Civilization; Colleges and universities; Culture; Girls; Instruction (s); Knowledge; Learning (s); Mental discipline; Psychology; Public schools; Scholarship (s); Schools; Self-culture; Social problems; Sociology; Students; Study; Teachers; Teaching; Training

Refer from Children; Children — Education (s); Education, Primary (s); Education

Education—Continued

- Grammar schools; Home education; Industrial education; Kindergarten; Object teaching; Private schools
- Higher, *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education
- Industrial, *see* Industrial education
- Medical, *see* Medicine — Study and teaching
- Military, *see* Military education
- Moral, *see* Moral education
- Musical, *see* Music — Instruction and study
- Naval, *see* Naval education
- Primary, *see* Education, Elementary
- Professional, *see* Professional education
- Religious, *see* Religious education
- Scientific, *see* Science — Study and teaching
- Secondary**
 - See also* Academies (schools); Evening and continuation schools; High schools; Private schools
 - Technical, *see* Technical education
 - U. S.
 - See also* Colleges and universities — U. S.; Public schools — U. S.; U. S.—Intellectual life

Education and church *see* Church and education

Education and citizenship

See also Education and crime; Illiteracy; School city

Education and crime

See also Illiteracy

Education and state

See also Public schools; Research; Scholarships

Education of children *see* Education, Elementary; Home education; Kindergarten

Education of women

See also Coeducation

Educational associations

Educational laws *see* School laws

Educational psychology *see* Psychology, Educational

Educational societies *see* Educational associations

Educators

See also Teachers

Efficiency, Industrial

See also Ability; Age limit of employment; Executive ability; Scientific management

Eggs

See also Birds' eggs; Cold storage; Cookery — Eggs; Embryology; Poultry

of children (s); Elementary education (s); Grammar schools; Primary education (s); Primary schools (s)

Refer from Academies (schools); High schools; Preparatory schools (s); Secondary education (s); Secondary schools (s)

Refer from Colleges and universities — U. S.; Public schools — U. S.; U. S.—Education (s); U. S.—Intellectual life; U. S.—Schools (s)

Refer from Citizenship; Education; Illiteracy

Refer from Crime and criminals; Education; Education and citizenship; Illiteracy

Refer from Education; Government; Public schools; State and education (s)

Refer from Coeducation; Colleges and universities; Education; Girls; Women; Women—Education (s)

Refer from Education; Educational societies (s); Societies; Teachers

Refer from Biography; Education; Teachers

Refer from Ability; Economics; Executive ability; Industrial efficiency (s); Industry; Labor and laboring classes; Scientific management

Refer from Animal products; Food; Poultry

Egoism

See also Altruism; Avarice; Selfishness

Refer from Altruism; Avarice; Conduct of life; Ethics; Hedonism; Philosophy; Selfishness

Egypt — Antiquities

See also Mummies; Obelisks; Pyramids

Refer from Egyptology (s); Mummies; Obelisks; Pyramids

—History

—Ancient

—Modern

Egyptian language

See also African languages; Coptic language; Hamitic languages; Hieroglyphics

Refer from African languages; Hamitic languages; Hieroglyphics

Egyptology *see* Egypt — Antiquities

Eight-hour day *see* Hours of labor

Eighteenth century

See also English literature — History and criticism — Eighteenth century; History, Modern

Refer from Europe — History — 1492-1789; History, Modern

Elasticity

See also Strains and stresses; Strength of materials

Refer from Compressibility; Matter; Mechanics; Physics; Statics; Strains and stresses; Strength of materials

Election (in theology) *see* Predestination

Election laws

See also Nominations; Suffrage

Refer from Elections; Law; Nominations; Registration laws (s); Suffrage

Elections

See also Australian ballot; Ballot; Bribery; Campaign funds; Caucus; Citizenship; Election laws; Gerrymander; Nominations; Political corruption; Primaries; Proportional representation; Recall; Representative government and representation; Suffrage; Voting machines

Refer from Ballot; Caucus; Corrupt practices at elections (s); Government; Nominations; Politics; Primaries; Representative government and representation; Suffrage; Voting (s)

—U. S.

See also Campaign funds; Gerrymander; Nominations; Political conventions; Presidents — U. S. — Election; Primaries; Senators — U. S. — Election

Refer from Campaigns, Presidential (s); Presidential campaigns (s); Presidential elections (s); Presidents — U. S. — Election; U. S. — Elections (s); U. S. — Government; U. S. — Politics

Elective franchise *see* Suffrage

Electric apparatus and appliances

See also Armatures; Coherers; Condensers (electricity); Dynamos; Electric batteries; Electric bells; Electric furnaces; Electric gas lighting; Electric lamps; Electric machinery; Electric meters; Electric motors; Electric toys; Electric transformers; Electricity in mining; Electricity in the home; Electricity on the farm; Electromagnets; Fans, Electric; Fire alarms; Galvanometer; Induction coils; Rheostats; Switchboards

Refer from Electric engineering; Electric machinery; Instruments

Electric arc

See also Electric lamps

Refer from Arc, Electric (s); Arc light (s); Electric lighting; Voltaic arc (s)

Electric armatures *see* Armatures

Electric batteries

See also Storage batteries

Refer from Batteries (electric) (s); Cell, Voltaic (s); Electric apparatus and appliances; Electric cells (s); Electrochemistry; Galvanic batteries (s); Primary batteries (s); Storage batteries; Voltaic cell (s)

Refer from Bells; Electric apparatus and appliances; Electricity in the home

Electric bells

Electric boats *see* Motor boats

Electric cables

See also Cables, Submarine; Electric wire and wiring; Electricity — Distribution; Insulation

Electric carriages *see* Automobiles

Electric cells *see* Electric batteries

Electric condensers *see* Condensers (electricity)

Electric conductivity

See also Electric conductors; Electric measurement; Electric resistance

Electric conductors

See also Electric cables; Electric power transmission; Electric wire and wiring; Electricity — Distribution; Lightning conductors

Electric controllers

See also Electric motors; Rheostats

Electric current converters

See also Electric transformers

Electric currents

See also Electric conductivity; Electric conductors; Electric measurement; Electric meters; Electric power transmission; Electric testing; Electric transformers; Electricity — Distribution; Electrodynamics

—Alternating

See also Electric power transmission; Electric waves; Electricity — Distribution

Electric discharges through gases

See also Cathode rays; Ionization of gases; Radioactivity; X rays

Electric distribution *see* Electricity — Distribution

Electric driving

See also Electric motors; Electric power; Electric power transmission; Electricity — Distribution

Electric engineering

See also Armatures; Dynamos; Electric apparatus and appliances; Electric heating; Electric lighting; Electric machinery; Electric meters; Electric motors; Electric power transmission; Electric railroads; Electricians; Electricity; Electricity — Distribution; Electricity in mining; Hydroelectric plants; Power plants, Electric; Telautograph; Telegraph; Telephone; Wireless telegraphy

Electric fans *see* Fans, Electric

Electric furnaces

See also Electric heating; Electrometallurgy

Electric gas lighting

Electric generators *see* Dynamos

Electric heating

See also Electric furnaces

Refer from Cables; Electric conductors; Electric wire and wiring; Electricity — Distribution; Insulation

Refer from Conductivity, Electric (s); Electric currents; Electric resistance

Refer from Conductors, Electric (s); Electric conductivity; Electric currents; Electric power transmission; Electric wire and wiring; Electricity — Distribution; Wiring, Electric (s)

Refer from Controllers, Electric (s); Electric machinery; Electric motors; Rheostats

Refer from Converters, Electric (s); Electric machinery; Electric transformers

Refer from Currents (s); Electric potential (s); Electric transformers; Electricity — Distribution; Electrodynamics

Refer from Alternating currents (s); Currents, Alternating (s); Electric waves; Induction coils; Polyphase currents (s)

Refer from Cathode rays; Electrons; Gases; Ionization of gases; Ions; X rays

Refer from Electric machinery; Electric motors; Electric power; Electric power transmission; Electricity — Distribution; Machine tools

Refer from Electric machinery; Engineering; Engineering, Electrical (s); Industrial arts; Machinery; Mechanical engineering

Refer from Electric apparatus and appliances; Electric heating; Electric smelting (s); Electrochemistry; Electrometallurgy; Furnaces

Refer from Electric apparatus and appliances; Electric ignition of gas (s); Electric lighting; Gas lighting

Refer from Electric engineering; Electric furnaces; Electricity in the home; Heating

Electric ignition of gas *see* Electric gas lighting
Electric insulation *see* Insulation

Electric lamps

See also Electric lighting

Electric launches *see* Motor boats

Electric light *see* Electric lighting

Electric light carbons

Electric lighting

See also Electric arc; Electric gas lighting; Electric lamps; Electric light carbons; Electric meters; Electric wire and wiring; Electricity — Distribution; Photometry; Searchlights; Switchboards

Electric locomotives

See also Railroads — Electrification

Electric machinery

See also Commutators; Dynamos; Electric apparatus and appliances; Electric controllers; Electric current converters; Electric driving; Electric engineering; Electric motors; Electric transformers; Electricity in mining; Electricity on the farm

—Alternating current

Electric measurement

See also Electric meters; Electric resistance; Electric testing; Galvanometer; Inductance

Electric meters

See also Electric measurement; Electric testing; Wattmeter

Electric mining *see* Electricity in mining

Electric motors

See also Armatures; Commutators; Dynamos; Electric controllers; Electric driving; Electric locomotives; Electric machinery; Electric power; Electric transformers

Electric plants *see* Power plants, Electric

Electric potential *see* Electric currents; Electromotive force; Electrostatics; Potential, Theory of

Electric power

See also Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power plants, Electric

Electric power distribution *see* Electric power transmission; Electricity — Distribution

Electric power plants *see* Power plants, Electric

Electric power transmission

See also Electric conductors; Electric driving; Electric power; Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission

Refer from Arc lamps (s); Electric apparatus and appliances; Electric arc; Electric lighting; Incandescent lamps (s); Lamps

Refer from Carbon; Carbons (electric light) (s); Electric lighting

Refer from Arc light (s); Electric engineering; Electric lamps; Electric light (s); Incandescent lighting (s); Lighting

Refer from Electric motors; Electric railroads; Locomotives; Railroads — Electrification.

Refer from Continuous current machinery (s); Electric apparatus and appliances; Electric engineering; Electric motors; Machinery

Refer from Alternating current machinery (s)

Refer from Electric conductivity; Electric currents; Electric meters; Electric resistance; Electric testing; Galvanometer; Units; Weights and measures

Refer from Electric apparatus and appliances; Electric currents; Electric engineering; Electric lighting; Electric measurement; Electric testing; Meters (s)

Refer from Commutators; Dynamo-electric machines (s); Dynamos; Electric apparatus and appliances; Electric controllers; Electric driving; Electric engineering; Electric machinery; Electric power; Electric railroads; Electromotors (s); Induction motors (s); Motors

Refer from Electric driving; Electric motors; Electric power transmission; Electricity — Distribution; Power; Power plants, Electric

Refer from Electric conductors; Electric currents; Electric currents, Alternating; Electric driving; Electric engineering; Electric power; Electric power distribution (s); Electric transmission of power (s); Electricity — Distribution; Hydro-electric plants; Power plants, Electric; Power transmission; Transmission of power (s)

Electric railroads

See also Electric locomotives; Electric motors; Railroads — Electrification; Railroads — Single rail; Rapid transit; Street railroads; Suspended railways

Electric resistance

See also Electric conductivity; Electric measurement; Electric testing; Insulation; Rheostats

Electric rheostats *see* Rheostats

Electric smelting *see* Electric furnaces; Electrometallurgy

Electric stations *see* Power plants, Electric

Electric street railroads *see* Electric railroads

Electric switchboards *see* Switchboards

Electric telegraph *see* Telegraph

Electric testing

See also Dynamometer; Electric measurement; Electric meters; Electric resistance

Electric toys

Electric tramways *see* Electric railroads

Electric transformers

See also Electric current converters; Electric currents; Electricity — Distribution; Induction coils

Electric transmission of power *see* Electric power transmission

Electric treatment *see* Electrotherapeutics

Electric waves

See also Coherers; Electric currents, Alternating; Wireless telegraphy

Electric welding *see* Welding

Electric wire and wiring

See also Electric cables; Electric conductors; Electricity — Distribution; Insulation

Electric wiring *see* Electric wire and wiring

Electrical *see* Electric

Electricians**Electricity**

See also Armatures; Atmospheric electricity; Dynamos; Electrons; Inductance; Induction coils; Insulation; Ionization of gases; Ions; Lightning; Magnetism; Microphone; Phonograph; Radioactivity; Telegraph; Telephone; Telpherage; Wireless telegraphy; X rays; *also* headings beginning Electric and Electro

—Animal, *see* Electrophysiology

—Atmospheric, *see* Atmospheric electricity

—Distribution

See also Electric cables; Electric conductors; Electric currents; Electric driving; Electric power; Electric power transmission; Electric transformers; Electric wire and wiring; Power plants, Electric; Switchboards

Refer from Electric engineering; Electric street railroads (s); Electric tramways (s); Interurban railroads (s); Railroads; Railroads, Electric (s); Railroads — Electrification; Rapid transit; Street railroads; Transportation; Trolley lines (s)

Refer from Electric conductivity; Electric measurement; Electric testing; Insulation; Resistance, Electric (s); Rheostats

Refer from Electric currents; Electric measurement; Electric meters; Electric resistance; Testing (s)

Refer from Electric apparatus and appliances; Toys

Refer from Electric apparatus and appliances; Electric current converters; Electric currents; Electric machinery; Electric motors; Electricity — Distribution; Induction coils; Transformers (s)

Refer from Electric currents, Alternating; Hertzian waves (s); Interference (light); Waves; Wireless telegraphy

Refer from Electric cables; Electric conductors; Electric lighting; Electric wiring (s); Electricity — Distribution; Insulation; Municipal improvement; Telegraph; Telephone; Wire; Wiring, Electric (s)

Refer from Biography; Electric engineering; Scientists

Refer from Electric engineering; Electrostatics; Galvanism (s); Lightning; Magnetism; Physics; Voltaic electricity (s)

Refer from Distribution of electricity (s); Electric cables; Electric conductors; Electric currents; Electric currents, Alternating; Electric distribution (s); Electric driving; Electric engineering; Electric lighting; Electric power; Electric power distribution (s); Electric power

Electricity — Continued

— Experiments

— Medical, *see* Electrotherapeutics

Electricity in agriculture *see* Electricity on the farm

Electricity in horticulture *see* Electrohorticulture

Electricity in medicine *see* Electrotherapeutics

Electricity in mining

See also Mining engineering; Mining machinery

Electricity in the home

See also Electric bells; Electric heating

Electricity on the farm

See also Electricity in the home; Electrohorticulture; Farm implements and machinery; Farm motors

Electricution *see* Electrocutation

Electrification of railroads *see* Railroads—
Electrification

Electrobiology *see* Electrophysiology

Electrochemistry

See also Chemistry, Physical; Dissociation; Electric batteries; Electric furnaces; Electrolysis; Electrolytes; Electrometallurgy; Electromotive force; Ions

Electroculture of plants *see* Electrohorticulture

Electrocutation

Electrodeposition of metals *see* Electrometallurgy; Electroplating

Electrodynamics

See also Electric currents; Inductance

Electrogalvanizing *see* Galvanizing

Electrohorticulture

Electrolysis

See also Chemistry, Physical; Corrosion and anti-corrosives; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions

Electrolytes

See also Electrochemistry; Electrolysis; Ions

Electromagnets

See also Armatures; Commutators; Induction coils

Electrometallurgy

See also Cyanide process; Electric furnaces; Electrochemistry; Electrolysis; Electroplating; Electrotyping; Magnetic separation of ores; Metallurgy

Electromotive force

Electromotors *see* Electric motors

transmission; Electric transformers; Electric wire and wiring

Refer from Experiments (s); Physics — Experiments

Refer from Electric apparatus and appliances; Electric engineering; Electric machinery; Electric mining (s); Mining engineering; Mining machinery

Refer from Electric apparatus and appliances; Electricity on the farm; Home economics

Refer from Agriculture; Electric apparatus and appliances; Electric machinery; Electricity in agriculture (s); Farm implements and machinery; Farm motors

Refer from Chemistry; Chemistry, Physical; Chemistry, Technical; Dissociation; Electrolysis; Electrolytes; Electrometallurgy; Ions

Refer from Capital punishment; Electricution (s)

Refer from Dynamics; Electric currents

Refer from Electricity in horticulture (s); Electricity on the farm; Electroculture of plants (s); Floriculture; Gardening

Refer from Chemistry — Analysis; Chemistry, Physical; Dissociation; Electrochemistry; Electrolytes; Electrometallurgy; Ions; Solution (chemistry)

Refer from Dissociation; Electrochemistry; Electrolysis; Ions

Refer from Armatures; Electric apparatus and appliances; Hoisting machinery; Induction coils; Magnetism

Refer from Electric furnaces; Electric smelting (s); Electrochemistry; Electrodeposition of metals (s); Electrolysis; Electroplating; Electrotyping; Galvanoplasty (s); Metallurgy; Ore treatment; Smelting

Refer from Electric potential (s); Electrochemistry; Force and energy

Electrons

See also Cathode rays; Electric discharges through gases; Ions; Radioactivity

Electrophysiology

See also Muscles; Nerves; Nervous system

Electroplating

See also Electrometallurgy; Galvanizing

Electrostatics

See also Condensers (electricity); Electricity; Potential, Theory of

Electrotherapeutics

See also Radiotherapy

Electrotyping

See also Electrometallurgy; Stereotyping

Elegiac poetry

Elementary education *see* Education, Elementary; Kindergarten

Elements, Chemical, *see* Chemical elements

Elements, Worship of

See also Fire worship; Nature worship

Elephants

See also Ivory; Mammals; Mammoths

Eleusinian mysteries

See also Mythology, Classical

Elevated railroads

See also Rapid transit

Elevations *see* Altitudes

Elevators

See also Hoisting machinery

Elevators, Grain, *see* Grain elevators

Elixir of life

See also Alchemy; Philosopher's stone

Elizabethan age *see* England — History —

Elizabethan period; English literature — History and criticism — Elizabethan period; Shakespeare, William — Contemporary England

Elizabethan literature *see* English literature —

History and criticism — Elizabethan period

Ellipse

See also Conic sections

Elliptic functions *see* Functions

Elocution

See also Acting; Debating; Delsarte system; Eloquence; Expression; Gesture; Oratory; Preaching; Pronunciation; Reading; Recitations and readings; Rhetoric; Singing and voice culture; Ventriloquism; Voice

Eloquence

See also Elocution; Oratory
Elves *see* Fairies

Refer from Atoms; Cathode rays; Dissociation; Electricity; Ions; Magneto-optics; Matter; Radioactivity

Refer from Animal electricity (s); Biology; Electricity, Animal (s); Electrobiolgy (s); Nervous system; Physiology; Zoology

Refer from Electrodeposition of metals (s); Electrometallurgy; Galvanizing; Galvanoplasty (s); Gilding; Plating; Silver-plating (s); Silverplating (s)

Refer from Condensers (electricity); Electric potential (s); Physics; Static electricity (s); Statics

Refer from Electric treatment (s); Electricity, Medical (s); Electricity in medicine (s); Medical electricity (s); Therapeutics

Refer from Electrometallurgy; Galvanoplasty (s); Printing; Stereotyping
Refer from Poetry

Refer from Nature worship; Worship

Refer from Hunting; Mammals

Refer from Mysteries (religious); Mythology, Classical

Refer from Railroads; Railroads, Elevated (s); Rapid transit; Street railroads

Refer from High buildings; Hoisting machinery; Lifts (s)

Refer from Alchemy; Medicine, Medieval; Philosopher's stone

Refer from Conic sections

Refer from Debating; Declamation (s); Dramatic expression (s); Eloquence; Expression; Gesture; Language; Oratory; Preaching; Reading; Rhetoric; Speaking (s); Speech; Voice

Refer from Elocution; Oratory; Rhetoric

Emancipation *see* Catholic emancipation;
Slavery; Women — Social condition

Embalming

See also Mummies

Embankments

See also Civil engineering; Earthwork;
Sea walls

Embargo laws

See also U. S. — History — 1783-1812

Embezzlement

See also Forgery

Emblems

See also Christian art and symbolism;
Devices; Insignia; Mottoes; Symbolism

Embossing

Embroidery

See also Fancy work; Needlework

Embryology

See also Biology; Botany — Embryology;
Cells; Parthenogenesis; Protoplasm; Re-
production

Emergencies *see* Accidents; First aid in illness
and injury

Emigration *see* Immigration and emigration

Eminent domain

See also Cemeteries; Constitutional law;
Damages; Easements; Municipal corpora-
tions; Police power; Public service corpora-
tions; Roads

Emmanuel movement

See also Medicine and religion

Emotions

See also Anger; Enthusiasm; Envy; Eth-
ics; Expression; Fear; Hate; Jealousy;
Joy; Laughter; Love; Melancholy; Pain;
Pleasure; Psychology; Sympathy

Emperors

See also Kings and rulers; Roman emperors

Empiricism

See also Pragmatism

Employees' welfare *see* Industrial betterment

Employers' associations

See also Blacklisting; Combination, In-
dustrial; Trade agreements

Employers' liability

See also Accidents; Damages; Factory
inspection; Factory laws; Insurance, Acci-
dent; Labor laws; Master and servant;

Refer from Burial; Death; Mortuary cus-
toms (s); Mummies

Refer from Canals; Civil engineering; Dams;
Dikes (engineering) (s); Dykes (s); Earth-
work; Engineering; Hydraulic engineering;
Levees (s); Rivers; Sea walls

Refer from Commerce; International law;
U. S.— Commerce; U. S.— History — 1783-
1812

Refer from Crime and criminals; Defalca-
tion (s); Forgery; Larceny; Stealing (s);
Theft (s); Thieves

Refer from Christian art and symbolism;
Devices; Heraldry; Literature; Symbolism
Refer from Printing

Refer from Arts and crafts; Decoration and
ornament; Domestic arts; Fancy work;
Needlework; Stitches (s); Textile industry
and fabrics

Refer from Biology; Cells; Development (s);
Eggs; Evolution; Morphology; Physiology;
Protoplasm; Reproduction; Zoology

Refer from Appraising; Arbitration and
award; Cemeteries; Condemnation of land (s);
Constitutional law; Damages; Domain, Emi-
nent (s); Easements; Expropriation (s);
Land; Land tenure; Law; Police power;
Property; Public service corporations; Rail-
roads; Real estate; Roads

Refer from Church and healing (s); Faith
cure; Medicine and religion; Mental healing;
Mind and body; Suggestive therapeutics;
Therapeutics

Refer from Anger; Enthusiasm; Envy;
Ethics; Fear; Feelings (s); Hate; Jealousy;
Joy; Passions (s); Pleasure; Psychology;
Sympathy

Refer from Biography; Kings and rulers;
Monarchy; Rulers (s); Sovereigns (s)

Refer from Philosophy

Refer from Blacklisting; Combination, In-
dustrial; Gilds; Labor and capital; Labor
unions

Refer from Accidents; Agency; Compensa-
tion (s); Damages; Factory inspection; Fac-
tory laws; Insurance, Accident; Insurance,

- Negligence; Occupations, Dangerous; Safety devices
- Employers' welfare institutions *see* Industrial betterment
- Employment agencies**
See also Labor exchanges
- Empresses *see* Queens and empresses
- Enamel**
See also Arts and crafts; Cloisonné
- Encyclopaedias *see* Encyclopedias
 Encyclopaedists *see* Encyclopedists
- Encyclopedias**
See also Dictionaries. For encyclopedias of a special subject *see* the subject, e.g. Botany — Dictionaries
- Encyclopedists**
Refer from Encyclopaedists (s); French literature; Materialism; Philosophy, French
- Endless punishment *see* Future punishment
- Energy *see* Force and energy
- Engineering**
See also Aeronautics; Aqueducts; Arches; Architecture; Blasting; Boring; Breakwaters; Bridges; Building; Building materials; Canals; Chemical engineering; Civil engineering; Curves in engineering; Docks; Drainage; Dredging; Earthwork; Electric engineering; Engineers; Engines; Foundations; Harbors; Hydraulic engineering; Industrial arts; Irrigation; Machinery; Marine engineering; Masonry; Mechanical drawing; Mechanical engineering; Mechanics; Mensuration; Military engineering; Mining engineering; Municipal engineering; Railroad engineering; Railroads — Construction; Reclamation of land; Rivers; Roads; Sanitary engineering; Sea walls; Statics; Steam engines; Strength of materials; Subways; Surveying; Tunnels; Walls; Water supply
 — Chemical, *see* Chemical engineering
 — Civil, *see* Civil engineering
 — Electrical, *see* Electric engineering
 — Hydraulic, *see* Hydraulic engineering
 — Marine, *see* Marine engineering
 — Mechanical, *see* Mechanical engineering; Mechanics, Applied
 — Military, *see* Military engineering
 — Mining, *see* Mining engineering
 — Municipal, *see* Municipal engineering
 — Sanitary, *see* Sanitary engineering
- Engineering materials *see* Building materials
- Engineers**
- Engines**
See also Air engines; Blowing engines; Farm motors; Fire engines; Fuel; Gas and oil engines; Heat engines; Locomotives; Marine engines; Mechanical engineering; Motors; Pumps; Steam engines; Traction engines; Turbines
- England, Church of, *see* Church of England
- Industrial; Labor and capital; Labor and laboring classes; Labor laws; Liability, Employers' (s); Master and servant; Negligence; Occupations, Dangerous; Safety devices; Workmen's compensation (s)
- Refer from* Agency; Intelligence offices (s); Labor and laboring classes; Labor exchanges; Servants; Unemployed; Wages
- Refer from* Arts and crafts; Cloisonné; Decoration and ornament
- Refer from* Cyclopedias (s); Dictionaries; Encyclopaedias (s); Reference books
- Refer from* Encyclopaedists (s); French literature; Materialism; Philosophy, French
- Refer from* Building; Civil engineering; Construction (s); Hydraulic engineering; Industrial arts; Machinery; Mathematics; Mechanical engineering; Mechanics; Military engineering; Surveying; Technology
- Refer from* Biography; Engineering
- Refer from* Engineering; Machine shop practice; Machinery; Mechanical engineering; Motors; Power

England — History

— To 1066

See also Anglo-Saxons; Britons

— Normans, 1066–1154

See also Domesday book; Hastings, Battle of; Normans

— Plantagenets, 1154–1399

See also Barons' war; Black death; England — History — Lancaster and York; Hundred years' war; Magna charta

— Lancaster and York, 1399–1485

See also Agincourt, Battle of; Hundred years' war; Wars of the Roses

— Tudors, 1485–1603

See also England — History — Elizabethan period

— Elizabethan period, 1558–1603

See also Armada, 1588; England — History — Tudors; Shakespeare, William — Contemporary England

— Stuarts, 1603–1714

See also England — History — Civil war and commonwealth; Gunpowder plot; Jacobites; King William's war; Nonjurors; Popish plot; Queen Anne's war; Regicides; Rye House plot; Spanish succession, War of

— Civil war and commonwealth, 1642–1660

See also England — History — Stuarts; Regicides

— 1714–1837

See also French and Indian war; Jacobites; Napoleonic wars; Peninsular war, 1807–1814; Seven years' war; U. S. — History — Revolution

— Victorian period, 1837–1901

See also Chartism; Crimean war; South African war, 1899–1902

— 1901–

See also South African war, 1899–1902

English ballads *see* Ballads, English

English composition *see* Composition (English); Rhetoric

English dialects *see* English language — Dialects

English dictionaries *see* Dictionaries, English

English drama

See also American drama; Dramatists, English; English literature; Miracle, morality and mystery plays; Theater — England

English essays

See also American essays; English literature

English fiction

See also American fiction; English literature

English grammar *see* Grammar, English

English humor *see* Humor, English

English idioms *see* Idioms, English

English in India *see* British in India

Refer from Great Britain — History (s)

Refer from Anglo-Saxons; Britons

Refer from Hastings, Battle of; Norman conquest (s); Normans

Refer from Barons' war; Hundred years' war

Refer from Agincourt, Battle of; England — History — Plantagenets; Hundred years' war; Wars of the Roses

Refer from England — History — Elizabethan period

Refer from Armada, 1588; Elizabethan age (s); England — History — Tudors

Refer from England — History — Civil war and commonwealth; Gunpowder plot; Popish plot; Regicides; Rye House plot

Refer from Civil war (s); Commonwealth of England (s); England — History — Stuarts; Regicides

Refer from Jacobites

Refer from American drama; Drama; Dramatists, English; English literature; English poetry; Theater — England

Refer from American essays; English literature; Essays

Refer from American fiction; English literature; Fiction

English language

See also Americanisms; Anglo-Saxon language; Briticisms; Composition (English); Dictionaries, English; Germanic languages; Grammar, English; Idioms, English; Pronunciation, English; Prosody, English; Slang; Spelling, English; Synonyms and antonyms, English

—Alphabet, *see* Alphabet

—Composition, *see* Composition (English)

—Conversation and phrase books, *see* English language — For foreigners

—Dialects

See also Americanisms; Briticisms; Negro dialect

—Dictionaries, *see* Dictionaries, English

—Etymology

See also English language — History

—For foreigners

—Grammar, *see* Grammar, English

—History

See also English language — Etymology; English language — Middle English

—Idioms, *see* Idioms, English

—Middle English

—Old English, *see* Anglo-Saxon language; English language — Middle English

—Orthography, *see* Spelling, English

—Pronunciation, *see* Pronunciation, English

—Prosody, *see* Prosody, English

—Readers, *see* Readers

—Rhymes, *see* Rhyme

—Spelling, *see* Spelling, English

—Study and teaching

See also English language — For foreigners

—Synonyms and antonyms, *see* Synonyms and antonyms, English

—Syntax, *see* Grammar, English

English letters *see* Letters, English

English literature

See also American literature; Anglo-Saxon literature; Authors, English; Ballads, English; Canadian literature; English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Letters, English; Newspapers — England; Orations, English; Parodies; Periodicals — England; Satire, English; Scottish literature; Sonnets, English

—Collections

See also English poetry — Collections; Recitations and readings

—History and criticism

—Middle English

—Elizabethan period

—17th century

Refer from Anglo-Saxon language; England — Language (s); Germanic languages; U. S. — Language (s)

Refer from Dialects; Dictionaries, English; England — Dialects (s); English dialects (s); U. S. — Dialects (s)

Refer from English language — History
Refer from English language — Conversation and phrase books (s); English language — Study and teaching; Foreigners (s)

Refer from English language — Etymology

Refer from Early English language (s); English language — History; English language — Old English (s); Middle English language (s); Old English language (s)

Refer from American literature; Anglo-Saxon literature; Authors, English; British literature (s); England — Literature (s); English drama; English essays; English fiction; English poetry; Humor, English; Irish literature (English); Literature; Satire, English; Scottish literature

Refer from English poetry — Collections; Recitations and readings

Refer from Early English literature (s); Middle ages — Literature; Middle English literature (s); Old English literature (s)

Refer from Elizabethan age (s); Elizabethan literature (s)

Refer from Seventeenth century

English literature—History and criticism—

Continued

——18th century

——19th century

——20th century

——Study and teaching

English metrical romances

English newspapers *see* Newspapers — England

English orations *see* Orations, English

English periodicals *see* Periodicals — England

English philosophy *see* Philosophy, English

English poetry

See also American poetry; Anglo-Saxon poetry; Ballads, English; Canadian poetry; English drama; English literature; English metrical romances; Irish poetry; Lake poets; Poets, English; Prosody, English; Scottish poetry; Songs, English; Sonnets, English

——Collections

English satire *see* Satire, English

English songs *see* Ballads, English; Songs, English

English sonnets *see* Sonnets, English

English spelling *see* Spelling, English

English synonyms *see* Synonyms and antonyms, English

English syntax *see* Grammar, English

English wit and humor *see* Humor, English

Engravers

See also Artists

Engraving

See also Bank notes; Color printing; Engravings; Etching; Gems; Glyptics; Illustration of books; Lithography; Photoengraving; Photogravure; Stipple engraving; Wood engraving

Engravings

See also Color prints; Etchings; Pictures

Enigmas *see* Riddles

Enlightenment

Enlistment *see* Recruiting and enlistment

Ennui

Ensigns *see* Flags

Ensilage

See also Feeding and feeding stuffs

Entail

See also Primogeniture

Enteric fever *see* Typhoid fever

Entertaining

See also Amusements; Balls (parties); Cards; Children's parties; Dinners and dining; Entertainments; Etiquet; Guests; Luncheons; Menus

Entertainments

See also Amateur theatricals; Amusements; Christmas entertainments; Church entertainments; Concerts; Drills and marches; Entertaining; Fairs; Festivals; Holidays; Jarley waxworks; Lectures and lecturing;

Refer from Eighteenth century

Refer from Nineteenth century; Victorian literature (s)

Refer from Twentieth century

Refer from English poetry; Romances

Refer from American poetry; Anglo-Saxon poetry; Ballads, English; British poetry (s); English literature; Lake poets; Poetry; Poets, English; Scottish poetry; Sonnets, English

Refer from English literature — Collections; Recitations and readings

Refer from Artists; Biography

Refer from Art; Chalcography (s); Etching; Graphic arts (s); Illustration of books; Industrial arts; Lithography; Mezzotint (s); Steel engraving (s); Stipple engraving

Refer from Drawings; Engraving; Etchings; Pictures; Prints (s)

Refer from Philosophy; Philosophy, Modern; Rationalism

Refer from Mind and body

Refer from Agriculture; Feeding and feeding stuffs; Forage plants; Silage (s); Silos (s)

Refer from Inheritance; Primogeniture; Property; Real estate

Refer from Entertainments; Etiquet; Guests; Home economics; Hospitality; Parties (s); Society

Refer from Amusements; Church entertainments; Entertaining; Sociables (s); Socials (s)

Moving pictures; Pageants; Panoramas;
Pantomime; Recitations and readings;
School entertainments; Sunday school en-
tertainments; Tableaux; Theater

Enthusiasm

See also Emotions

Entomologists

See also Naturalists

Entomology *see* Insects

Entomology, Economic, *see* Insects, Injurious
and beneficial

Entozoa *see* Parasites

Entrance examinations *see* College entrance
requirements

Environment

See also Acclimatization; Adaptation
(biology); Anthropogeography; Ecology;
Evolution; Heredity

Envy

See also Emotions

Enzymes

See also Fermentation; Malt

Eocene period *see* Geology, Stratigraphic —

Eocene; Paleontology — Eocene

Eolithic period *see* Stone age

Ephemerides *see* Nautical almanacs

Epic poetry

See also Romances

Epicureans

See also Philosophy, Greek

Epidemics

See also Contagion and contagious dis-
eases; Quarantine; *also* names of contagious
diseases, e.g. Black death; Cholera, Asiatic;
Plague; Smallpox; Yellow fever; *also* names
of countries and cities, subhead Epidemics

Epigrams

See also Maxims; Proverbs; Quotations;
Table-talk; Toasts

Epigraphy *see* Inscriptions

Epilepsy

Episcopacy

See also Apostolic succession; Archbishops;
Bishops; Catholic church; Church history;
Church of England; Methodism; Ordina-
tion; Protestant Episcopal church in the
U. S.

Episcopal church *see* Church of England;
Methodist Episcopal church; Protestant
Episcopal church in the U. S.

Epistemology *see* Knowledge; Metaphysics

Epitaphs

See also Brasses; Inscriptions; Obituaries;
Tombstones

Epithets

See also Names; Nicknames

Epizoa *see* Parasites

Refer from Emotions; Fanaticism

Refer from Insects; Naturalists; Scientists;
Zoologists

Refer from Acclimatization; Adaptation
(biology); Anthropogeography; Anthropology;
Ecology; Evolution; Man

Refer from Emotions; Ethics

Refer from Biology; Brewing; Digestion;
Fermentation; Ferments (s); Physiological
chemistry; Soluble ferments (s)

Refer from Poetry

Refer from Ethics; Hedonism; Materialism;
Philosophy; Philosophy, Greek

Refer from Contagion and contagious dis-
eases; Hygiene, Public; Medicine — History;
Pestilences (s); Plague

Refer from Aphorisms (s); Apothegms (s);
Humor; Literature; Maxims; Proverbs; Quo-
tations; Sayings (s)

Refer from Consanguinity; Idiocy; Medicine
— Practice; Nervous system — Diseases

Refer from Apostolic succession; Bishops;
Catholic church; Catholic church — Clergy;
Church of England; Church of England —
Clergy; Church polity; Methodism; Protes-
tant Episcopal church in the U. S.

Refer from Archaeology; Biography; Burial;
Cemeteries; Inscriptions; Literature; Obitua-
ries; Tombs; Tombstones

Refer from Language; Names; Nicknames

Equality

See also Aristocracy; Class distinction; Democracy; Individualism; Liberty; Socialism

Equations

See also Algebra; Groups, Theory of Equestrianism *see* Horsemanship
Equilibrium *see* Statics

Equinoxes

See also Astronomy

Equity

See also Actions at law; Chancery; Justice; Pleading and practice

Equivocation

See also Lying

Erosion

See also Coast changes; Geology; Glaciers; Physical geography; Sedimentation and deposition; Valleys

Erratics *see* Boulders

Errors, Popular

See also Blunders; Medical delusions; Superstition

Errors, Theory of

See also Least squares; Probabilities

Errors and blunders, Literary

See also Blunders; Literary forgeries and mystifications

Erse *see* Gaelic language; Irish language

Eruptive rocks *see* Igneous rocks

Erysipelas**Escapes**

See also Adventure

Eschatology

See also Death; Future life; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Second advent

Escuage *see* Scutage

Eskimo language**Eskimos**

See also Alaska; Arctic regions; Ethnology — Alaska

Esoteric Buddhism *see* Theosophy

Esperanto

Esquimaux *see* Eskimos

Essayists

See also Authors

Essays

See also American essays; English essays; French essays; *also* subhead Essays, addresses, etc., under various subjects

Essences and essential oils

See also Chemistry, Technical; Flavoring extracts; Perfumery

Essenes

Refer from Class distinction; Democracy; Government; Liberty; Socialism; Sociology

Refer from Algebra; Calculus; Mathematics

Refer from Astronomy; Precession of the equinoxes (s)

Refer from Actions at law; Chancery; Jurisdiction; Justice; Law; Pleading and practice

Refer from Ethics; Falsehood (s); Lying; Prevarication (s)

Refer from Abrasion (geology) (s); Coast changes; Denudation (s); Geology; Glaciers; Physical geography; Rivers; Sedimentation and deposition; Valleys; Water

Refer from Blunders; Delusions (s); Mistakes (s); Popular errors (s)

Refer from Mathematics; Probabilities; Theory of errors (s)

Refer from Bibliography; Blunders; Cataloging; Literary blunders (s); Literary forgeries and mystifications; Literature; Mistakes (s)

Refer from Medicine — Practice

Refer from Adventure; Prison escapes (s)

Refer from Death; Future life; Judgment day; Resurrection; Second advent; Theology

Refer from Indians — Languages

Refer from Alaska; Arctic regions; Esquimaux (s); Ethnology — Alaska; Indians; Innuits (s)

Refer from Language, Artificial

Refer from Authors

Refer from Literature

Refer from Agricultural products; Aromatic plant products (s); Chemistry, Organic; Chemistry, Technical; Distillation; Essential oils (s); Flavoring extracts; Oil (s); Oils, Essential (s); Oils and fats; Spices; Vegetable oils (s); Volatile oils (s)

Refer from Jews; Jews — Religion

Essential oils *see* Essences and essential oils
Estates, Unclaimed

Esthetics

See also Art; Art — Appreciation; Art — Criticism; Classicism; Color; Criticism; Grotesque; Idealism in art; Idealism in literature; Impressionism (art); Landscape; Music — Philosophy and esthetics; Naturalism in art; Naturalism in literature; Painting; Picturesque; Poetry; Proportion (art); Realism in art; Realism in literature; Rhythm; Romanticism; Sculpture; Sublime; Symmetry

Estimates *see* subhead Estimates under technical subjects, e.g. Building — Estimates

Etching

See also Engraving; Etchings; Pyrography; Stipple engraving; Zincography

Etchings

See also Engravings; Pictures

Eternal life *see* Future life

Eternity

See also Future life

Ether (anesthetic)

See also Anesthetics

Ether (of space)

See also Air

Ethical education *see* Moral education

Ethics

See also Affliction; Altruism; Amusements; Anger; Animals — Treatment; Art and morals; Asceticism; Avarice; Business ethics; Capital punishment; Character; Charity; Chastity; Cheerfulness; Christian ethics; Christian life and character; Civilization; Commandments; Compromise; Conduct of life; Conscience; Contentment; Courage; Courtesy; Crime and criminals; Cruelty; Dancing; Divorce; Dueling; Duty; Egoism; Emotions; Envy; Epicureans; Equivocation; Etiquette; Evil; Family; Fiction; Freedom of the will; Friendship; Gambling; Gentlemen; Gifts; Goodness; Habit; Happiness; Hedonism; Home; Honesty; Honor; Ideals; Interest; Justice; Kindness; Law; Legal ethics; Liberty; Liberty of conscience; Life; Literature; Immoral; Lotteries; Love; Loyalty; Lying; Manners and customs; Marriage; Medical ethics; Mercy; Moral education; Natural law; New thought; Oaths; Obedience; Patience; Patriotism; Peace; Philanthropy; Philosophy; Pleasure; Political ethics; Popularity; Pragmatism; Pride and vanity; Progress; Religion; Religion and ethics; Resignation; Secularism; Self-denial; Self-respect; Selfishness; Sexual ethics; Sin; Sincerity; Slavery; Social ethics; Social problems; Sociology; Soul; Spiritual life; Standard of living; State ethics; Stoics; Success; Suicide; Sunday; Swearing; Sympathy; Temperance; Temptation; Theater; Truth; Utilitarianism; Vice; Virtue; Vivi-

Refer from Genealogy; Inheritance; Property; Real estate; Unclaimed estates (s)

Refer from Aesthetics (s); Art; Art — Appreciation; Art — Criticism; Beautiful, The (s); Beauty (s); Criticism; Literature; Painting; Philosophy; Picturesque; Psychology; Rhetoric; Sculpture; Sublime; Symmetry; Taste (esthetics) (s)

Refer from Art; Engraving; Zincography

Refer from Drawings; Engravings; Etching; Pictures

Refer from Future life; Philosophy; Time

Refer from Aether (s); Anesthetics

Refer from Light; Luminiferous ether (s); Matter; Physics; Space; Waves

Refer from Altruism; Character; Christian ethics; Civilization; Conduct of life; Duty; Emotions; Ethology (s); Family; Hedonism; Immorality (s); Life; Man; Moral philosophy (s); Morality (s); Morals (s); Natural religion; Philosophy; Philosophy, Moral (s); Psychology; Religion; Right and wrong (s); Sociology; Theology; Vice; Virtue; Will

Ethics—Continued

section; War; Wealth; Will; Women; *also* names of countries and cities, subhead Moral conditions

- Christian, *see* Christian ethics
- Commercial, *see* Business ethics
- History
- Japanese

—Jewish

- Legal, *see* Legal ethics
- Medical, *see* Medical ethics
- National, *see* State ethics
- Political, *see* Political ethics
- Practical, *see* Conduct of life
- Sexual, *see* Sexual ethics
- Social, *see* Social ethics
- State, *see* State ethics

Ethics and religion *see* Religion and ethics

Ethnic psychology *see* Ethnopsychology

Ethnography *see* Ethnology

Ethnology

See also Anthropogeography; Anthropology; Anthropometry; Archaeology; Art; Primitive; Bible—Ethnology; Cannibalism; Cave dwellers; Civilization; Cliff dwellers and cliff dwellings; Climate; Color of man; Consanguinity; Costume; Ethnopsychology; Evolution; Folklore; Head-hunters; Industries, Primitive; Lake dwellers and lake dwellings; Language; Man; Manners and customs; Migration of nations; Mounds and mound builders; Mythology; National characteristics; Nations; Race problems; Savages; Skull; Society, Primitive; Tattooing; Totems and totemism; *also* names of countries, subhead Social life and customs, and names of races, tribes and peoples, e.g. Aryans, Gipsies, Hamites, Indians, Malays, Negroes, Semitic race, Yellow races

—U. S.

See also Anglo-Saxons; Indians; Race problems—U. S.

Ethnopsychology

See also National characteristics; Social psychology

Ethology *see* Ethics

Etiquet

See also Conversation; Courtesy; Courts and courtiers; Dancing; Dinners and dining; Entertaining; Gentlemen; Guests; Letter writing; Manners and customs; Precedence; Salutations; Society; Weddings; *also* names of countries, subhead Social life and customs

Etymology

See also Names; Words; *also* names of languages, subhead Etymology

Eucharist *see* Lord's supper; Mass

Euchre

See also Cards

Refer from Japan—Social life and customs; Japanese ethics (s)

Refer from Jewish ethics (s); Jews—Ethics (s); Jews—Social life and customs

Refer from Aborigines (s); Anthropology; Archaeology; Civilization; Ethnography (s); Geography; History; Man; Manners and customs; Migration of nations; Native races (s); Race characteristics (s); Races of man (s); Science

Refer from U. S.—Ethnology (s)

Refer from Anthropology; Ethnic psychology (s); Ethnology; Folk psychology (s); National characteristics; Psychology; Psychology, Comparative; Psychology, Ethnic (s); Psychology, Racial (s); Race psychology (s); Social psychology; Sociology

Refer from Behavior (s); Ceremonies (s); Conduct of life; Courtesy; Entertaining; Ethics; Gentlemen; Ladies (s); Letter writing; Manners (s); Manners and customs; Politeness (s); Self-culture; Society; Usages (s); Weddings; Women

Refer from Grammar; Language; Words

Refer from Cards

Eudiometer**Eugenics**

See also Consanguinity; Degeneration; Heredity; Marriage; Prenatal influences

Europe — History**— To 476**

See also Migration of nations

— 476-1492, *see* Middle ages — History**— 1492-1789**

See also Austrian succession, War of; Eighteenth century; History, Modern; Seven years' war; Seventeenth century; Sixteenth century; Spanish succession, War of; Thirty years' war

— 1789-

See also Crimean war; History, Modern; Holy alliance; Napoleonic wars; Nineteenth century; Peninsular war, 1807-1814; Triple alliance

European literature

See also Literature; *also* names of literatures

Evaluation of literature *see* Book reviews; Books and reading; Books and reading — Best books; Criticism; Literature — History and criticism

Evangelical alliance

Evangelical Lutheran church *see* Lutheran church

Evangelistic work

See also Conversion; Missions; Revivals; Salvation army
Evangelists *see* Apostles; Bible — New Testament; Missionaries

Evaporation

See also Distillation; Drying

Evaporation of fruit *see* Fruit — Evaporation

Evening and continuation schools

Evening schools *see* Evening and continuation schools

Evergreens

See also Forests and forestry; Hedges; Trees

Eviction**Evidence**

See also Affidavits; Certainty; Expert evidence; Identification; Logic; Witnesses

Evidences of Christianity *see* Christianity — Evidences

Evidences of the Bible *see* Bible — Evidences and authority

Evil

See also Dualism; Sin; Temptation

Evil eye

See also Charms; Superstition; Witchcraft

Refer from Chemistry — Analysis; Gases

Refer from Anthropology; Breeding; Children; Civilization; Heredity; Man; Marriage; Parents; Prenatal influences; Race improvement (s); Social problems; Sociology

Refer from Austrian succession, War of; History, Modern; Seven years' war; Spanish succession, War of; Thirty years' war

Refer from Crimean war; History, Modern; Holy alliance; Napoleonic wars; Nineteenth century; Peninsular war, 1807-1814; Triple alliance

Refer from Literature

Refer from Christian union; U. S. — Religious history

Refer from Church work; Conversion; Missions; Revivals

Refer from Chemistry; Meteorology; Physics; Vapor (s)

Refer from Continuation schools (s); Education; Education, Secondary; Evening schools (s); Night schools (s); Public schools; Schools

Refer from Forests and forestry; Hedges; Landscape gardening; Trees

Refer from Landlord and tenant; Rent

Refer from Acknowledgments; Actions at law; Circumstantial evidence (s); Criminal law; Faith; Identification; Law; Logic; Philosophy; Presumptive evidence (s); Proof (s); Testimony (s); Trials; Witnesses

Refer from Ethics; Religion; Sin; Temptation; Theology

Refer from Demonology; Folklore; Magic; Superstition; Witchcraft

Evil spirits *see* Demonology

Evolution

See also Adaptation (biology); Anatomy, Comparative; Anthropology; Biology; Color of animals; Color of man; Color of plants; Creation; Degeneration; Embryology; Environment; Heredity; Life — Origin; Man — Origin and antiquity; Mendel's law; Mimicry (biology); Missing link; Natural selection; Religion and science; Species; Teleology; Variation (biology)

Ex libris *see* Bookplates

Examination of witnesses *see* Witnesses

Examination questions *see* Examinations

Examinations

See also Civil service examinations; College entrance requirements; Teachers — Examinations and certificates

Excavating machinery

See also Dredging; Mining machinery; Rock drills

Excavation

See also Earthwork; Excavating machinery; Tunnels

Excavations *see* Archaeology; Earthworks (archaeology)

Exchange

See also Balance of trade; Clearing houses; Commerce; Economics; Finance; Foreign exchange; Money; Stock exchange; Stocks; Supply and demand

Excise laws *see* Internal revenue laws

Excommunication

See also Church discipline; Interdict

Ex-convicts *see* Discharged prisoners

Excursions, School, *see* School excursions

Executioners

Executions *see* Capital punishment

Executive ability

See also Ability; Efficiency, Industrial; Leadership; Scientific management

Executive power

See also Constitutional law; Monarchy; Pardon; Presidents; Veto

Executors *see* Administrators and executors

Exegesis *see* Bible — Criticism and interpretation

Exemption from taxation *see* Taxation, Exemption from

Exercise

See also Gymnastics; Physical education; Play; Running; Training; Walking

Exhaustion *see* Fatigue; Neurasthenia

Exhibitions

See also Agricultural exhibitions; Art — Galleries and museums; Museums; *also* special exhibitions, and subhead Exhibitions under names of cities and under various subjects, e.g. Art — Exhibitions

Exile

See also Expatriation; Penal colonies; Siberia — Exiles

Refer from Adaptation (biology); Anthropology; Biology; Botany; Creation; Darwinism (s); Degeneration; Development (s); Environment; Ethnology; Geology; Heredity; Lamarckism (s); Man; Man — Origin and antiquity; Materialism; Natural history; Natural selection; Origin of species (s); Philosophy; Philosophy, Modern; Religion and science; Science; Sociology; Species; Teleology; Variation (biology); Zoology

Refer from Competitive examinations (s); Education; Examination questions (s); Teaching

Refer from Dredging; Excavation; Machinery; Mining machinery

Refer from Civil engineering; Earthwork

Refer from Banks and banking; Bills of exchange (s); Business; Clearing houses; Commerce; Commercial law; Economics; Finance; Money; Negotiable instruments; Supply and demand

Refer from Catholic church; Catholic church — Government; Church discipline; Church polity; Interdict

Refer from Biography; Capital punishment

Refer from Ability; Efficiency, Industrial; Leadership; Scientific management

Refer from Constitutional law; Government; Presidents

Refer from Gymnastics; Hygiene; Physical education; Therapeutics

Refer from Expositions (s); Fairs; Industrial arts; Industrial exhibitions (s); International exhibitions (s); Museums; World's fairs (s)

Refer from Banishment (s); Expatriation; Penal colonies; Punishment

Exorcism *see* Witchcraft

Expansion (physics)

See also Gases; Heat

Expansive classification *see* Classification, Expansive

Expatriation

See also Aliens; Citizenship; Exile; Naturalization

Expeditions, Scientific, *see* Scientific expeditions

Experience

See also Pragmatism

Experiment stations *see* Agricultural experiment stations

Experimental chemistry *see* Chemistry — Laboratory manuals

Experimental psychology *see* Psychology, Physiological

Experiments *see* under subject, e.g. Agricultural experimentation; Animal experimentation; Chemistry — Laboratory manuals; Electricity — Experiments; Physics — Experiments

Expert evidence

See also Medical jurisprudence

Expert testimony *see* Expert evidence

Explorations *see* Discoveries and explorations

Explorers

See also Discoveries and explorations; Travelers; Voyages and travels; *also* names of continents and countries, subheads Description and travel, and Discovery and exploration

Explosions

See also Boiler explosions; Explosives; Insurance, Casualty; Mine accidents; Safety lamps

Explosives

See also Ammunition; Blasting; Chemistry, Technical; Dynamite; Guncotton; Gunpowder; Mines, Military; Nitroglycerin; Torpedoes

Exportation *see* Commerce; Penal colonies; Tariff

Exports *see* Commerce; Tariff

Expositions *see* Exhibitions

Express companies

See also Carriers; Parcels post

Expression

See also Anatomy, Artistic; Delsarte system; Elocution; Physiognomy; Rhetoric

Expropriation *see* Eminent domain

Exterritorial jurisdiction *see* Exterritoriality

Exterritoriality

See also Ambassadors; Consuls

Extinct animals *see* Animals, Extinct; Paleontology

Extra illustration

Refer from Heat; Physics

Refer from Aliens; Citizenship; Exile

Refer from Knowledge; Psychology

Refer from Evidence; Expert testimony (s); Medical jurisprudence; Trials; Witnesses

Refer from Adventure; Biography; Discoverers (s); Discoveries and explorations; Geography; Heroes; Travelers; Voyagers (s); Voyages and travels

Refer from Accidents

Refer from Blasting; Chemistry, Technical; Dynamite; Explosions; Guncotton; Gunnery; Gunpowder; Manufactures; Military art and science; Mines, Military; Mining engineering; Nitroglycerin

Refer from Carriers; Public service corporations; Railroads; Transportation

Refer from Acting; Anatomy, Artistic; Delsarte system; Dramatic expression (s); Elocution; Emotions; Face; Physiognomy

Refer from Ambassadors; Consuls; Diplomatic and consular service; Exterritorial jurisdiction (s); Extraterritoriality (s); International law

Refer from Grangerism (s); Illustration of books

Extracts, Flavoring, *see* Flavoring extracts

Extradition

See also Asylum, Right of; Political offenses

Extraterritoriality *see* Extraterritoriality

Extravagance

See also Sumptuary laws; Thrift

Extreme unction *see* Unction

Eye

See also Blind; Light; Sight; Spectacles

— **Diseases and defects**

See also Astigmatism; Blind; Color blindness; Eyestrain; Myopia; Ophthalmia

Eye-glasses *see* Spectacles

Eye-strain *see* Eyestrain

Eyes *see* Eye

Eyestrain

Fables

See also Allegories; Animal lore; Bестиaries; Folklore; Parables

Fabliaux

Face

See also Beauty, Personal; Color of man; Cosmetics; Expression; Eye; Mouth; Nose; Physiognomy

Facetiæ *see* Humor

Factories

See also Factory inspection; Factory laws; Factory management; Factory system; Mills and millwork; Textile factories

Factors *see* Brokers and factors

Factory costs *see* Cost accounting

Factory inspection

See also Employers' liability; Factory laws

Factory laws

See also Child labor; Employers' liability; Factory inspection; Hours of labor; Labor laws; Women — Employment

Factory management

See also Cost accounting; Factory system; Scientific management

Factory system

See also Child labor; Factories; Factory inspection; Factory laws; Factory management; Hours of labor; Women — Employment

Factory waste *see* Refuse and refuse disposal; Waste products

Faience *see* Pottery

Failure (in business) *see* Bankruptcy

Fair trade *see* Reciprocity

Fairies

See also Fairy tales; Folklore

Refer from Arrest; Crime and criminals; Criminal law; International law; Law; Political offenses

Refer from Conduct of life; Standard of living; Thrift

Refer from Anatomy; Eyes (s); Face; Head; Light; Ophthalmology (s); Optics, Physiological (s); Sight; Spectacles; Vision (s)

Refer from Astigmatism; Medicine — Practice; Myopia; Ophthalmia

Refer from Eye — Diseases and defects; Eye-strain (s)

Refer from Allegories; Animal lore; Animals — Stories; Fiction; Folklore; Legends; Literature; Parables

Refer from French poetry; Trouvères

Refer from Head; Physiognomy

Refer from Architecture; Factory system; Industrial arts; Manufactures; Mills and millwork

Refer from Employers' liability; Factories; Factory laws; Factory system; Inspection of factories (s)

Refer from Children — Law; Employers' liability; Factories; Factory inspection; Factory system; Government regulation of industry; Labor laws

Refer from Factories; Factory system; Management of factories, shops, etc (s); Scientific management; Works management (s)

Refer from Child labor; Economics; Factories; Factory management; Industry; Labor and laboring classes; Manufactures; Women — Employment

Refer from Elves (s); Fairy tales; Folklore; Gnomes (s); Goblins (s); Superstition

Fairs

See also Agricultural exhibitions; Exhibitions; *also* names of cities, subhead Fairs

Fairy tales

See also Fairies; Folklore

Faith

See also Agnosticism; Belief; Certainty; Creeds; Evidence; Justification; Religion; Sects; Skepticism; Theology; Truth

Faith cure

See also Christian science; Emmanuel movement; Mental healing; Miracles; Suggestive therapeutics

Falconry

See also Game birds

Fall *see* Autumn**Fall of man**

See also Bible — Old Testament — Genesis; Eden; Sin

Fallacies

See also Logic

Falling stars *see* Meteors

Falls *see* Waterfalls

Falsehood *see* Equivocation; Lying

Fame

See also Hall of fame

Families *see* Family; Genealogy

Family

See also Ancestor worship; Children; Divorce; Domestic relations; Ethics; Fathers; Home; Home economics; Home education; Husbands; Marriage; Matriarchy; Mothers; Parents; Patriarchy; Tribes and tribal system; Widows; Wives; Women

Family histories *see* names of countries and cities, subhead Genealogy; *also* names of individual families

Family prayer *see* Family worship

Family worship

See also Devotional exercises; Prayer; Prayers

Famines

See also Starvation

Fan *see* Fans

Fan blowers *see* Fans, Mechanical

Fan drill *see* Drills and marches

Fanaticism

See also Asceticism; Enthusiasm; Flagellants; Inquisition; Persecution

Fancy *see* Imagination

Fancy dress *see* Costume

Fancy work

See also Artificial flowers; Beadwork; Crocheting; Decoration and ornament; Drawn work; Embroidery; Knitting; Lace; Leather work; Needlework

Fans

See also Costume

Refer from Amusements; Commerce; Entertainments; Festivals

Refer from Children's literature; Fairies; Fiction; Folklore; Legends; Literature; Mythology; Stories (s)

Refer from Authority (in religion); Belief; Certainty; Christian life and character; Doubt (s); Justification; Religion; Religious belief (s); Theology

Refer from Divine healing (s); Medicine and religion; Mental healing; Subconsciousness; Suggestive therapeutics; Therapeutics

Refer from Birds; Fowling (s); Game birds; Hawking (s); Hunting; Sports

Refer from Bible; Bible — Old Testament — Genesis; Eden; Sin; Temptation; Theology

Refer from Logic

Refer from Success

Refer from Children; Consanguinity; Domestic relations; Ethics; Families (s); Home; Home economics; Husbands; Kinship (s); Man; Marriage; Parents; Social problems; Sociology; Tribes and tribal system; Wives; Women

Refer from Devotional exercises; Family prayer (s); Prayer; Prayers; Worship

Refer from Food supply; History; Relief work (s); Starvation

Refer from Intolerance (s); Religion; Theology

Refer from Crocheting; Decoration and ornament; Domestic arts; Drawn work; Embroidery; Home economics; House decoration; Knitting; Needlework; Women

Refer from Costume; Fan (s)

Fans—Continued

—**Electric**

See also Fans, Mechanical

—**Mechanical**

See also Fans, Electric; Mechanical draft

Far East *see* East

Far-eastern question *see* Eastern question (Far East)

Farm animals *see* Domestic animals; Live stock

Farm buildings

See also Architecture, Domestic; Barns and stables; Poultry houses

Farm colonies

Farm houses *see* Architecture, Domestic; Country houses; Farm buildings

Farm implements and machinery

See also Electricity on the farm; Farm motors; Harvesting machinery; Mowing machines; Plows

Farm labor

See also Peasantry

Farm laws *see* Agricultural laws

Farm life

See also City and country; Country life; Farmers; Gardening; Ranch life

Farm machinery *see* Farm implements and machinery

Farm management

See also Farm labor; Market gardening; Marketing of farm produce; Rotation of crops

Farm motors

See also Electricity on the farm; Farm implements and machinery; Traction engines; Windmills

Farm products *see* Agricultural products; Marketing of farm produce

Farm schools

Farm tools *see* Farm implements and machinery

Farm values

See also Farms, Abandoned

Farmers

See also Agricultural societies; Agriculture; Farm labor; Farm life; Grange

Refer from Electric apparatus and appliances; Electric fans (s); Fans, Mechanical; Ventilating fans (s); Ventilation

Refer from Blowers (s); Centrifugal fans (s); Fan blowers (s); Fans, Electric; Machinery; Mechanical draft; Mechanical fans (s); Ventilating fans (s); Ventilation

Refer from Agricultural physics; Agriculture; Architecture; Architecture, Domestic; Architecture, Rural (s); Barns and stables; Country houses; Farm houses (s); Poultry houses; Rural architecture (s)

Refer from Agricultural colonies (s); Agriculture; Charities; Colonies and colonization; Labor and laboring classes; Labor colonies (s); Land; Poor; Salvation army; Unemployed

Refer from Agricultural implements (s); Agricultural machinery (s); Agricultural tools (s); Agriculture; Electricity on the farm; Farm machinery (s); Farm motors; Farm tools (s); Harvesting machinery; Implements, utensils, etc.; Machinery; Mowing machines; Plows; Tools

Refer from Agricultural laborers (s); Agriculture; Farm management; Farmers; Labor and laboring classes; Peasantry

Refer from Agriculture; City and country; Country life; Farmers; Farming (s); Outdoor life; Rural life (s)

Refer from Agriculture; Farms; Marketing of farm produce; Range management (s)

Refer from Agricultural physics; Electricity on the farm; Engines; Farm implements and machinery; Motors

Refer from Agriculture — Study and teaching; Education; School farms (s); Schools

Refer from Agriculture; Farms; Real estate; Value

Refer from Agriculture; Farm life

Farmers' institutes

Farming *see* Agriculture; Farm life
Farming, Dry, *see* Dry farming

Farms

See also Agriculture; Farm management;
Farm values

—**Abandoned**

Farriery *see* Horse; Horseshoeing; Veterinary medicine

Fashion

See also Clothing; Costume; Dandies;
Dressmaking; Hairdressing; Tailoring

Fasting

See also Asceticism; Fasts and feasts;
Lent; Starvation

Fasts and feasts

See also Advent; Ash Wednesday;
Christian year; Christmas; Easter; Festi-
vals; Good Friday; Holidays; Holy week;
Lent; Sunday; Thanksgiving day

Fat *see* Corpulence; Oils and fats

Fatalism *see* Fate and fatalism

Fate and fatalism

See also Fortune telling; Freedom of the
will; Predestination

Fathers

See also Parents

Fathers of the church

See also Apostolic canons; Apostolic con-
stitutions; Apostolic fathers; Church history
—Early church; Councils and synods;
Saints

Fatigue

See also Overwork; Rest

—**Mental**

See also Mental hygiene; Neurasthenia;
Overpressure (education)

Fats *see* Oils and fats

Fauna *see* Zoology

Fauns

Faust

Favored nation clause *see* Commercial treaties

Fayence *see* Pottery

Fear

See also Courage; Emotions; Worry

Feasts *see* Fasts and feasts

Feathers

Fecundity

See also Reproduction

Federal courts *see* U. S. — Courts

Refer from Agricultural societies; Agricul-
ture; Institutes, Farmers' (s)

Refer from Agriculture; Land; Real estate

Refer from Abandoned farms (s); Farm
values

Refer from Costume; Hairdressing; Social
psychology; Style (in dress) (s)

Refer from Abstinence (s); Asceticism;
Penance

Refer from Catholic church; Christian an-
tiquities; Christian year; Church calendar (s);
Church ceremonies (s); Church festivals (s);
Church of England; Church polity; Days;
Ecclesiastical fasts and feasts (s); Fasting;
Feasts (s); Festivals; Holidays; Holy days (s);
Holy week; Lent; Protestant Episcopal church
in the U. S.; Religion; Religious festivals (s);
Rites and ceremonies

Refer from Destiny (s); Fatalism (s); For-
tune (s); Luck (s); Philosophy

Refer from Children; Family; Husbands;
Parents

Refer from Ante-Nicene fathers (s); Apostolic
fathers; Catholic church; Catholic church —
Biography; Christian biography; Church
fathers (s); Church history; Church history —
Early church; Patristics (s); Patrology (s);
Post-Nicene fathers (s); Saints; Theology

Refer from Exhaustion (s); Hygiene; Ner-
vous system; Overwork; Rest; Weariness (s)

Refer from Brain; Mental exhaustion (s);
Mental fatigue (s); Mental hygiene; Mental
overwork (s); Mind and body; Neurasthenia;
Psychology, Physiological

Refer from Mythology

Refer from Legends

Refer from Anxiety (s); Emotions; Worry

Refer from Animal products; Birds; Millinery

Refer from Fertility (s); Reproduction;
Vital statistics

Federal government

See also Democracy; Nationalism, New; Republics; Secession; State governments; State rights

Federal ownership *see* Government ownership

Federal regulation of industry *see* Government regulation of industry

Federation, Imperial, *see* Imperial federation

Feeble-minded

See also Children, Abnormal and backward; Defectives; Idiocy

Feed *see* Feeding and feeding stuffs

Feed water

See also Boiler scale; Boilers; Feed-water heaters; Injectors; Water — Purification

Feed-water heaters**Feeding and feeding stuffs**

See also Alfalfa; Clover; Corn; Ensilage; Forage plants; Grain; Grasses; Hay; Live stock; Oats; Root crops

Feeling *see* Touch

Feelings *see* Emotions

Feet *see* Foot

Felony *see* Crime and criminals

Females *see* Women

Fence wire**Fences**

See also Fence wire; Gates; Hedges; Railings

Fencing

See also Dueling; Swords

Fenians (society)

See also Canada — History — 1867-; Home rule — Ireland; Ireland — History; Ireland — Politics

Fens *see* Marshes

Fermentation

See also Bacteriology; Brewing; Chemistry, Organic; Chemistry, Technical; Enzymes; Putrefaction; Yeast

Ferments *see* Enzymes; Fermentation

Ferns

See also Cryptogams

Ferries

See also names of cities, subhead Ferries

Ferro-concrete *see* Concrete, Reinforced

Ferrotypes

Fertility *see* Fecundity; Soil fertility.

Fertilization of plants

See also Botany — Physiology; Color of flowers; Plant breeding

Fertilizers and manures

See also Agricultural chemistry; Alfalfa; Ammonia; Guano; Gypsum; Lime; Nitrication; Peat; Phosphates; Soil inoculation

Refer from Confederacies (s); Constitutional law; Democracy; Free institutions; Government; Republics; Secession

Refer from Brain; Children, Abnormal and backward; Defectives; Idiocy; Imbecility (s); Insanity; Mental diseases; Mentally deficient children (s)

Refer from Boiler scale; Boilers; Water; Water — Purification

Refer from Feed water

Refer from Agriculture; Alfalfa; Cattle; Corn; Ensilage; Feed (s); Fodder (s); Forage plants; Grasses; Hay; Live stock; Sheep; Soiling crops (s); Swine

Refer from Barbed wire (s); Fences; Wire

Refer from Architecture; Gates; Railings

Refer from Amusements; Athletics; Dueling; Fighting (s); Military art and science; Sports; Swords

Refer from Canada — History — 1867-; Home rule — Ireland; Ireland — History; Ireland — Politics; Secret societies

Refer from Bacteriology; Botany — Physiology; Chemistry; Chemistry, Organic; Chemistry, Technical; Enzymes; Ferments (s); Liquors; Physiological chemistry; Putrefaction; Yeast

Refer from Cryptogams; Filices (s)

Refer from Inland navigation; Transportation; Waterways

Refer from Photography; Tintype (s)

Refer from Botany; Botany — Physiology; Color of flowers; Flowers; Insects; Plants; Plants — Fertilization (s); Pollination (s)

Refer from Agricultural chemistry; Agriculture; Guano; Manures (s); Phosphates; Soil fertility; Soils

Festivals

See also Fairs; Fast and feasts; Holidays; May day; Musical festivals; Pageants; Play festivals; Processions; Tournaments; *also* names of cities, subhead Festivals, etc.

Fetichism *see* Fetishism

Fetishism

See also Animism; Idolatry; Tree worship; Voodooism

Feudal system *see* Feudalism

Feudalism

See also Chivalry; Civilization, Medieval; Clans; Knights and knighthood; Manors; Middle ages; Peasantry; Scutage; Serfdom; Villeinage

Feuds *see* Vendetta

Fever

See also Hay fever; Malaria; Scarlet fever; Typhoid fever; Typhus fever; Yellow fever

Fiat money *see* Coinage; Greenbacks; Legal tender; Paper money

Fibers

See also Cotton; Flax; Hemp; Jute; Linen; Ramie; Silk; Textile industry and fabrics; Wool

Fibres *see* Fibers

Fiction

See also Allegories; Fables; Fairy tales; Folklore; Historical fiction; Idealism in literature; Legends; Naturalism in literature; Novelists; Plots (drama, novel, etc.); Realism in literature; Romances; Short stories; *also* American fiction, English fiction, etc.; *also* Automobile stories, College stories, Detective stories, Railroad stories, School stories, Sea stories, and similar headings, and subhead Fiction under various subjects

—Historical, *see* Historical fiction

Fiction in libraries

See also Children's literature

Fictitious names *see* Pseudonyms; Fiction — Dictionaries; Literature — Dictionaries

Fiddle *see* Violin

Fidelity *see* Loyalty

Field artillery *see* Artillery

Field hospitals *see* Hospitals, Military; Medicine, Military

Field sports *see* Hunting; Sports; Track athletics

Fifteenth century

See also Renaissance

Fighting *see* Boxing; Bullfights; Dueling; Fencing; Gladiators; Military art and science; Naval art and science; Tournaments; War

Figure drawing

See also Anatomy, Artistic; Figure painting

Figure of the earth *see* Earth — Figure

Refer from Amusements; Carnivals (s); Celebrations (s); Days; Entertainments; Fast and feasts; Holidays; Pageants; Religious festivals (s)

Refer from Animism; Fetichism (s); Idolatry; Indians — Religion; Superstition; Worship

Refer from Chivalry; Civilization, Medieval; Feudal system (s); Government; Knights and knighthood; Land tenure; Law; Manors; Middle ages; Scutage; Serfdom; Sociology; Vassals (s); Villeinage

Refer from Inflammation; Medicine — Practice; Pathology

Refer from Agricultural products; Cordage; Cotton; Fibres (s); Flax; Hemp; Jute; Linen; Ramie; Textile fibers (s); Textile industry and fabrics

Refer from Ethics; Literature; Novels (s); Romance (s); Romances; Short stories; Stories (s)

Refer from Books and reading; Children's literature; Libraries; Libraries and fiction (s); Library administration

Refer from History, Modern; Middle ages; Renaissance

Refer from Anatomy, Artistic; Drawing; Figure painting; Human figure in art (s)

Figure painting

See also Anatomy, Artistic; Figure drawing; Painting; Proportion (art)
Figures of speech *see* Rhetoric

Files and rasps**Filibusters**

See also Buccaneers; Cuba — History; Pirates

Filices *see* Ferns

Filters and filtration

See also Water — Purification; Water supply

Filtration *see* Filters and filtration

Final cause *see* Causation; Teleology

Finance

See also Auditing; Bankruptcy; Banks and banking; Bimetallism; Bonds; Business depression; Capital; Capitalists and financiers; Church finance; Claims; Commerce; Corporations; Credit; Debts, Public; Economics; Exchange; Foreign exchange; Income; Insurance; Interest; Internal revenue laws; Investments; Loans; Money; Municipal finance; Panics; Prices; Repudiation; Securities; Silver (as money); Sinking funds; Speculation; Stock exchange; Stocks; Tariff; Taxation; Trust companies; Trusts; Wealth; *also* names of countries, subhead Finance

Financial crises *see* Panics

Financiers *see* Capitalists and financiers

Finding lists *see* Catalogs, Library

Fine arts *see* Art

Finger plays

Finger marks *see* Finger prints

Finger prints

See also Bertillon system; Identification

Finger rings *see* Rings

Fingers *see* Finger prints; Hand

Finite *see* Infinite

Finnish language

See also Ural-Altaic languages

Finnish literature

See also Finnish poetry

Finnish poetry

See also Finnish literature

Fire

See also Combustion; Fires; Flame; Fuel; Heat; Heating; Smoke; *also* headings beginning Fire

Fire alarms

Fire balls *see* Meteors

Fire boats**Fire damp**

See also Mine accidents; Mine fires; Mine ventilation

Fire departments

See also Fire protection; Firemen; *also* official reports of fire departments under names of cities

Refer from Anatomy, Artistic; Figure drawing; Human figure in art (s); Painting

Refer from Hardware; Rasps (s); Tools

Refer from Buccaneers; Cuba — History; Freebooters (s)

Refer from Filtration (s); Sanitary engineering; Sewage; Water — Purification; Water supply

Refer from Banks and banking; Bimetallism; Bonds; Business; Commerce; Debts, Public; Economics; Exchange; Funds (s); Government; History; Income; Loans; Money; Paper money; Revenue (s); Taxation; Wealth

Refer from Kindergarten

Refer from Anthropometry; Bertillon system; Finger marks (s); Fingers (s); Hand; Identification

Refer from Ural-Altaic languages

Refer from Finnish poetry

Refer from Finnish literature

Refer from Chemistry; Combustion; Flame; Heat

Refer from Electric apparatus and appliances; Fires; Signals

Refer from Boats and boating; Fire protection; Steamboats

Refer from Gases; Marsh gas (s); Mine accidents; Mine fires; Mine ventilation

Refer from Fire protection; Firemen

Fire drills

Fire engines

Fire escapes

Fire etching *see* Pyrography

Fire insurance *see* Insurance, Fire

Fire-places *see* Fireplaces

Fire prevention *see* Fire protection

Fire-proof buildings *see* Fireproof construction

Fire protection

See also Fire boats; Fire departments;

Fire drills; Fire engines; Fire escapes;

Fireproof construction; Fireproofing

Fire walk

Fire worship

See also Parsees; Zoroastrianism

Firearms

See also Ammunition; Arms and armor;

Arsenals; Artillery; Gunnery; Gunpowder;

Guns; Ordnance; Pistols; Projectiles;

Rifles; Shooting; Shotguns; Target practice

Fireless cookers

Firemen

See also Fire departments

Fireplaces

See also Architecture, Domestic; Chimneys; Mantels

Fireproof construction

See also Building laws; Concrete construction; Fireproofing; Steel construction

Fireproofing

See also Asbestos; Fireproof construction

Fires

See also Chimneys; Fire alarms; Fire protection; Forest fires; Insurance, Fire; Mine fires; *also* names of cities, subhead Fires and fire prevention

Fireworks

First aid in illness and injury

See also Accidents; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Poisons

Fish

See also Aquariums; Fish as food; Fish culture; Fisheries; Fishing; Marine zoology; Vertebrates; *also* names of fishes, e.g. Salmon, Trout

—U. S.

See also Fisheries — U. S.

Fish as food

See also Sea food

Refer from Fire protection; School management

Refer from Engines; Fire protection; Steam engines

Refer from Building; Building laws; Fire protection

Refer from Fire departments; Fire prevention (s); Fires; Municipal improvement; Protection from fire (s)

Refer from Ordeals; Rites and ceremonies

Refer from Elements, Worship of; Parsees; Worship; Zoroastrianism

Refer from Ammunition; Arms and armor; Gunnery; Guns; Military art and science; Ordnance; Pistols; Projectiles; Rifles; Shooting; Small arms (s); Weapons (s)

Refer from Cookery; Hay boxes (s); Hay stoves (s); Home economics; Stoves

Refer from Fire departments; Life-saving

Refer from Architecture; Architecture, Domestic; Chimneys; Fire-places (s); Heating; House decoration; Mantels

Refer from Architecture; Building; Building laws; Building materials; Concrete construction; Fire-proof buildings (s); Fire protection; Fireproofing

Refer from Fire protection; Fireproof construction; Insurance, Fire

Refer from Conflagrations (s); Disasters; Fire; Life-saving; Theater fires (s)

Refer from Chemistry, Technical; Pyrotechnics (s)

Refer from Accidents; Ambulance drill (s); Ambulances; Bandages and bandaging; Battlefield relief; Burns and scalds; Drowning; Emergencies (s); Hospitals; Injuries (s); Life-saving; Medicine; Medicine, Military; Nurses and nursing; Poisons; Relief work (s); Surgery; Surgery, Military; Therapeutics

Refer from Fisheries; Fishes (s); Ichthyology (s); Marine zoology; Pisces (s); Salmon; Trout; Vertebrates; Zoology

Refer from Fisheries — U. S.; U. S. — Fish (s); U. S. — Ichthyology (s); Zoology — U. S.

Refer from Cookery; Fish; Food; Sea food

Fish culture

See also Fisheries

Fisheries

See also Fish; Fish culture; Fishing; Seals (animals)

—U. S.

See also Fish — U. S.

Refer from Fish; Fisheries; Pisciculture (s)

Refer from Fish; Fish culture; Fishing; Industrial arts; Sea fisheries (s)

Refer from Fish — U. S.; U. S.— Fisheries (s); U. S.— Foreign relations; U. S.— Industries and resources

Refer from Fishing

Fishermen

See also Fishing; Missions — Seamen

Fishes *see* Fish

Fishing

See also Fisheries; Fishermen; Game laws; Harpoons; Salmon; Trout

Refer from Angling (s); Aquatic sports; Fish; Fisheries; Fishermen; Hunting; Outdoor life; Sports

Five nations *see* Iroquois Indians

Refer from Flags; Holidays

Flag day

Refer from Church history; Church history — Middle ages; Fanaticism; Flagellation (s); Flogging; Penitentes (s); Sects

Flagellants

Flagellation *see* Flagellants; Flogging

Flags

See also Flag day; Signals

Refer from Banners (s); Ensigns (s); Heraldry; Military art and science; Signals; Standards (s)

Refer from Fire; Heat

Flame

See also Fire

Flash-light photography *see* Photography, Flash-light

Flats *see* Apartment houses

Flavoring extracts

See also Essences and essential oils; Vanilla

Refer from Cookery; Essences and essential oils; Extracts, Flavoring (s); Food; Vanilla

Flax

See also Fibers; Linen

Refer from Fibers; Linen; Textile industry and fabrics; Yarn

Fleets *see* Navies; Ships; Warships

Flemish language

See also Germanic languages

Refer from Germanic languages; Low German language

Flies

See also Diptera; Hessian flies; Insects as carriers of contagion; Tsetse flies

Refer from Contagion and contagious diseases; Diptera; Fly (s); House flies (s); Household pests; Insects as carriers of contagion

Flight

See also Aerodynamics; Aeronautics; Animal locomotion; Animal mechanics; Birds; Flying machines; Wings

Refer from Aerodynamics; Aeronautics; Animal locomotion; Animal mechanics; Birds; Flying (s); Locomotion; Wings

Flint implements *see* Stone implements

Flogging

See also Corporal punishment; Flagellants

Refer from Corporal punishment; Flagellation (s); Punishment; Rod, The (s); Whipping (s)

Flood *see* Deluge

Floods

See also Insurance, Casualty; Meteorology; Rivers

Refer from Disasters; History; Hydraulic engineering; Inundations (s); Meteorology; Rivers

Floors

See also Building; Carpets; Linoleum; Mosaics; Pavements; Rugs; Sweeping

Refer from Architecture; Building; Carpentry

Flora *see* Botany

Floral decoration

See also Church decoration and ornament;
Flowers

Floral design *see* Design, Decorative · Plant forms

Floriculture

See also Annuals (plants); Bulbs; Electro-horticulture; Flowers; Fumigation of plants; Gardening; Greenhouses; Plant breeding; Plant propagation; Window gardening; *also* names of special flowers, e. g. Carnations; Lilies; Orchids; Roses; Violets

Flour and flour mills

See also Grain; Wheat

Flow of water *see* Hydraulics

Flower drawing *see* Flower painting and drawing

Flower forms *see* Plant forms

Flower gardening *see* Floriculture

Flower gardens *see* Gardens

Flower language**Flower missions****Flower painting and drawing**

See also Plant forms

Flowers

See also Artificial flowers; Botany; Buds; Color of flowers; Fertilization of plants; Floral decoration; Floriculture; Flower language; Flower missions; Flower painting and drawing; Flowers in poetry; Glass flowers; National flowers; Odors; Paper flowers; Plants; Wax flowers; Window gardening; *also* names of flowers, e. g. Carnations, Lilies, Lotus, Orchids, Roses, Violets

—Artificial, *see* Artificial flowers

—Language of, *see* Flower language

—National, *see* National flowers

Flowers in poetry**Fluids**

See also Gases; Hydraulic engineering; Hydraulics; Hydrodynamics; Hydrostatics; Jets; Liquids; Mechanics; Osmosis; Physics; Solution (chemistry); Viscosity

Flumes

See also Hydro-electric plants; Irrigation canals; Water power

Flute

See also Musical instruments; Wind instruments

Flute ceremonies

Fluxions *see* Calculus

Fly *see* Flies

Flying *see* Flight

Flying machines

See also Aeronautic motors; Aeronautics; Aeroplanes

Fodder *see* Feeding and feeding stuffs

Fog

See also Fog signals; Meteorology

Refer from Church decoration and ornament; Decoration and ornament; Flowers; House decoration

Refer from Agriculture; Annuals (plants); Botany; Bulbs; Carnations; Flower gardening (s); Flowers; Gardening; Horticulture (s); House plants (s); Industrial arts; Lilies; Orchids; Plants; Plants, Cultivated; Roses; Violets; Window gardening

Refer from Bread; Food; Grist mills (s); Manufactures; Milling (flour) (s); Mills and millwork; Wheat

Refer from Flowers; Flowers, Language of (s); Language of flowers (s); Plant lore

Refer from Charities; Flowers

Refer from Drawing; Flower drawing (s); Flowers; Painting; Plant forms

Refer from Botany; Botany, Structural; Floral decoration; Floriculture; Plants; Wild flowers (s)

Refer from Flowers; Poetry; Poetry of flowers (s)

Refer from Hydraulic engineering; Hydraulics; Hydrostatics; Liquids; Mechanics; Physics

Refer from Irrigation canals; Water power

Refer from Musical instruments; Wind instruments

Refer from Hopi Indians; Indians — Religion; Rites and ceremonies

Refer from Aerodromes (s); Aeronautics; Aeroplanes; Flight; Helicopters (s)

Refer from Meteorology; Water

Fog signals

Foliage *see* Leaves

Folk dances *see* Dancing

Folk-lore *see* Folklore

Folk psychology *see* Ethnopsychology

Folk songs

See also Ballads; Carols; Folklore; Lullabies; National songs; Negro songs; Songs

Folklore

See also Animal lore; Animism; Chapbooks; Charms; Counting out; Devil; Divining rod; Evil eye; Fables; Fairies; Fairy tales; Folk songs; Geographical myths; Ghosts; Legends; Manners and customs; Medical folklore; Mythology; Nature myths; Nursery rhymes; Plant lore; Proverbs; Romances; Sagas; Superstition; Weather lore; Witchcraft

—Celtic

See also Legends, Celtic

—Indians, *see* Indians — Folklore

—Japan

See also Legends — Japan

—Negroes, *see* Negroes — Folklore

Folklore of animals *see* Animal lore

Folklore of medicine *see* Medical folklore

Folklore of plants *see* Plant lore

Fonts *see* Baptismal fonts

Food

See also Animal food; Bakers and bakeries; Beverages; Bread; Butter; Cannibalism; Cereals, Prepared; Chocolate; Condiments; Cookery; Corpulence; Cost of living; Diet; Digestion; Dinners and dining; Eating; Eggs; Fish as food; Flavoring extracts; Flour and flour mills; Food adulteration and inspection; Food laws; Food preservation and preservatives; Food supply; Fruit; Grain; Groceries; Hygiene; Liquors; Marketing; Markets; Meat; Milk; Mushrooms; Nutrition; Nuts; Oysters; Poultry; Proteins; Sea food; Stimulants; Sugar; Table; Temperance; Vegetables; Vegetarianism

—Analysis

See also Food adulteration and inspection

Food adulteration and inspection

See also Adulterations; Chemistry, Household; Consumers' leagues; Food — Analysis; Food laws; Food preservation and preservatives; Meat inspection; Milk supply; Oleomargarine

Food for invalids *see* Cookery for the sick; Diet

Food inspection *see* Food adulteration and inspection

Food laws

See also Food adulteration and inspection

Food preservation and preservatives

See also Canning and preserving; Cold storage; Food adulteration and inspection;

Refer from Fog; Navigation; Signals

Refer from Ballads; Folklore; National songs; Songs

Refer from Animal lore; Archaeology; Ethnology; Fables; Fairies; Fairy tales; Fiction; Folk-lore (s); Folk songs; Legends; Literature; Man; Manners and customs; Mythology; People; Plant lore; Proverbs; Sagas; Superstition; Traditions (s)

Refer from Celtic folklore (s); Celts; Legends, Celtic

Refer from Japan — Folklore (s); Japanese folklore (s); Legends — Japan

Refer from Beverages; Cookery; Diet; Digestion; Dinners and dining; Eating; Gastronomy (s); Home economics; Hygiene; Meals (s); Nutrition; Table

Refer from Analysis of food (s); Chemistry, Household; Food adulteration and inspection; Sanitary chemistry

Refer from Adulterations; Analysis of food (s); Chemistry, Household; Food; Food — Analysis; Food inspection (s); Food laws; Food preservation and preservatives; Hygiene; Hygiene, Public; Inspection of food (s); Meat inspection; Pure food laws (s); Sanitary chemistry

Refer from Food; Food adulteration and inspection; Pure food laws (s)

Refer from Canning and preserving; Cold storage; Food; Food adulteration and inspection

- Formaldehyde; Refrigeration and refrigerating machinery
- Food supply**
See also Agriculture — Statistics; Corn laws; Famines; Packing industry
- Fools**
See also Idiocy
- Foot**
See also Anatomy; Boots and shoes; Chiropody; Hosiery
 Foot-racing *see* Running
 Foot-soldiers *see* Infantry
- Football**
See also College athletics
- Footprints, Fossil**
- Fops *see* Dandies
- Forage plants**
See also Alfalfa; Clover; Corn; Ensilage; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows; Sorghum
- Force and energy**
See also Centrifugal force; Dynamics; Dynamometer; Electromotive force; Mechanics; Motion; Physics; Potential, Theory of
- Forecasts**
See also Fortune telling; Prophecies; Utopias; Weather forecasts
- Foreign exchange**
See also Money
- Foreign missions *see* Missions, Foreign
- Foreign relations *see* International relations; *also* names of countries, subhead Foreign relations
- Foreign trade *see* Commerce
- Foreigners *see* Aliens; Citizenship; English language — For foreigners; Naturalization; *also* names of countries and cities, subhead Foreign population
- Foremen's schools**
- Forenames *see* Names, Personal
- Forensic chemistry *see* Chemistry, Legal
- Forensic medicine *see* Medical jurisprudence
- Foreordination *see* Predestination
- Forest fires**
- Forest nurseries**
- Forest planting**
See also Tree planting
- Forest products**
See also Botany, Economic; Commercial products; Gums and resins; Lumber and lumbering; Rubber; Timber; Veneers and veneering; Wood; Wood pulp
- Forest reserves**
See also Forests and forestry; National parks and reserves
- tion; Preservation of food (s); Preservatives (food) (s)
Refer from Commerce; Economics; Food; Prices
Refer from Clowns; Court fools (s); Humor; Jesters (s)
Refer from Anatomy; Feet (s); Toes (s)
Refer from Ball (s); College athletics; Games; School athletics
Refer from Fossil footprints (s); Ichnology (s); Paleontology
Refer from Agriculture; Alfalfa; Feeding and feeding stuffs; Grasses; Grazing; Pastures and meadows
Refer from Conservation of energy (s); Correlation of forces (s); Dynamics; Energy (s); Kinematics; Matter; Mechanics; Metaphysics; Motion; Philosophy; Physics; Power
Refer from Future (s); Predictions (s); Prophecies; Utopias
Refer from Banks and banking; Cambistry (s); Commerce; Commercial law; Exchange; Finance; International exchange (s); Money
Refer from Industrial education; Scientific management; Technical education
Refer from Fires; Forests and forestry
Refer from Forests and forestry; Nurseries (horticulture); Trees
Refer from Afforestation (s); Forests and forestry; Planting (s); Reforestation (s); Tree planting; Trees
Refer from Agricultural products; Botany, Economic; Commercial products
Refer from Forests and forestry; National parks and reserves; U. S. — Public lands

Forest schools *see* Open-air schools
Forestalling *see* Monopolies
Forestry *see* Forests and forestry
Forestry education *see* Forestry schools and education

Forestry schools and education

Forests, Petrified, *see* Petrified forests

Forests and forestry

See also Arbor day; Conservation of resources; Evergreens; Forest fires; Forest nurseries; Forest planting; Forest reserves; Forestry schools and education; Grafting; Landscape gardening; Lumber and lumbering; Natural resources; Pruning; Timber; Tree planting; Trees; Wood

—U. S.

Forge work *see* Blacksmithing; Forging; Ironwork

Forgeries *see* Antiques, Forged; Art forgeries; Forgery; Literary forgeries and mystifications

Forgery

See also Art forgeries; Counterfeits; Embezzlement; Literary forgeries and mystifications

Forgery of antiques *see* Antiques, Forged

Forgery of works of art *see* Art forgeries

Forging

See also Blacksmithing; Dies; Ironwork; Welding

Form, Musical, *see* Musical form

Formal gardening *see* Landscape gardening

Formaldehyde

See also Disinfection and disinfectants; Fumigation

Formalin *see* Formaldehyde

Forms (in law)

See also Actions at law; Affidavits; Commercial law; Conveyancing; Deeds; Mortgages; Pleading and practice

Fortification

See also Castles; Coast defense; Earthwork; Gunnery; Military architecture; Mines, Military; *also* names of cities, subhead Fortifications, and names of countries, subhead Defenses

Forts *see* Fortification

Fortune *see* Chance; Fate and fatalism; Probabilities; Success

Fortune telling

See also Astrology; Cards; Clairvoyance; Crystal gazing; Divination; Dreams; Halloween; Palmistry

Fortunes *see* Income; Millionaires; Wealth

Fossil footprints *see* Footprints, Fossil

Fossil insects *see* Insects, Fossil

Fossil mollusks *see* Mollusks, Fossil

Fossil plants

See also Paleontology; Petrified forests; Trees, Fossil

Refer from Agriculture — Study and teaching; Forestry education (s); Forests and forestry; Technical education

Refer from Agriculture; Arboriculture (s); Botany; Conservation of resources; Evergreens; Forest reserves; Forestry (s); Landscape gardening; Lumber and lumbering; Natural resources; Silviculture (s); Timber; Trees; Water supply; Wood; Woods (s)

Refer from U. S. — Forests and forestry (s); U. S. — Industries and resources

Refer from Counterfeits; Crime and criminals; Embezzlement; Forgeries (s); Fraud; Imposture; Writing

Refer from Blacksmithing; Dies; Drop forging (s); Forge work (s); Ironwork; Machine shop practice

Refer from Disinfection and disinfectants; Food preservation and preservatives; Formalin (s); Fumigation

Refer from Actions at law; Business; Commercial law; Conveyancing; Law; Legal forms (s); Pleading and practice

Refer from Architecture, Military (s); Earthwork; Forts (s); Military architecture; Military art and science; Military engineering; Sieges

Refer from Amusements; Cards; Character reading (s); Divination; Dreams; Fate and fatalism; Forecasts; Future (s); Prophecies; Superstition

Refer from Botany; Botany, Fossil (s); Fossils (s); Paleobotany (s); Paleontology; Plants, Fossil (s)

Fossil reptiles *see* Reptiles, Fossil

Fossil trees *see* Trees, Fossil

Fossil wood *see* Trees, Fossil

Fossils *see* Paleontology; *also* Fossil plants, and subhead Fossil under various animals and plants

Foundations

See also Bridges — Foundations and piers; Building; Caissons; Civil engineering; Cofferdams; Compressed air; Concrete; Earthwork; Masonry; Piles and pile driving; Shoring and underpinning; Walls

Founding *see* Foundry work

Foundlings

See also Adoption; Children — Charities, protection, etc.; Orphans and orphan asylums

Foundry work

See also Cast iron; Cupola furnaces; Pattern making

Fountains

See also Springs

Fourth dimension

Fourth of July

See also Declaration of independence; Fourth of July orations

Fourth of July orations

Fowl *see* Poultry

Fowling *see* Falconry

Fowls *see* Poultry

Fox *see* Foxes

Foxes

See also Carnivora

Fractures

See also Bones; Radiography; Surgery; X rays

Frames (for pictures) *see* Picture frames

France — History

See also Basques

—— To 1328

See also Franks; Gauls

—— House of Valois, 1328–1589

See also Agincourt, Battle of; Huguenots; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of

—— Bourbons, 1589–1789

See also Austrian succession, War of; Diamond necklace affair; French and Indian war; Fronde; Iron Mask; Seven years' war; Spanish succession, War of

—— Revolution, *see* French revolution

—— Consulate and empire, 1799–1815

See also Napoleonic wars; Peninsular war, 1807–1814; Waterloo, Battle of

—— Restoration, 1815–1848

Refer from Architecture; Building; Caissons; Civil engineering; Cofferdams; Earthwork; Engineering; Masonry; Piles and pile driving; Shoring and underpinning; Walls

Refer from Children; Children — Charities, protection, etc.; Orphans and orphan asylums,

Refer from Cast iron; Casting (s); Cupola furnaces; Founding (s); Furnaces; Industrial arts; Iron; Iron founding (s); Iron industry; Machine shop practice; Metals; Molding (s); Moulding (s); Pattern making; Steel; Tulyeres (s)

Refer from Architecture; Hydraulic engineering; Water supply

Refer from Dimension, Fourth (s); Geometry; Hyperspace (s); Mathematics; Space

Refer from Declaration of independence; Holidays; Independence day (s); July fourth (s)

Refer from Fourth of July; Orations, American; U. S. — History — Revolution

Refer from Carnivora; Fox (s); Fur-bearing animals; Hunting

Refer from Bones; Surgery

Refer from Franks; Gauls

Refer from Agincourt, Battle of; Hundred years' war; Reformation — France; St. Bartholomew's day, Massacre of

Refer from Ancien régime (s); Austrian succession, War of; Fronde

Refer from Napoleonic wars; Waterloo, Battle of

France—History—Continued

—Revolution of 1848

See also France—History—Second republic

—Second republic, 1848-1852

See also France—History—Revolution of 1848; France—History—Coup d'état, 1851

—Coup d'état, 1851

See also France—History—Second republic; France—History—Second empire

—Second empire, 1852-1870

See also Crimean war; France—History—Coup d'état, 1851; Franco-German war

—Franco-German war, 1870-1871, *see* Franco-German war

—Third republic, 1870-

See also Paris—History—Siege and commune, 1871

Franchise *see* Suffrage

Franchise taxation *see* Corporations—Taxation

Franchises, Municipal, *see* Municipal franchises

Franciscans

See also Capuchins; Monasticism

Franco-German war, 1870-1871

See also France—History—Second empire; Paris—History—Siege and commune, 1871; Sedan campaign

Franking privilege

Franks

See also France—History—To 1328; Germany—History—To 1517

Fraternal insurance *see* Benefit societies

Fraternities, Benevolent, *see* Benefit societies

Fraternities, College

See also Hazing; Secret societies

Fraternities, High school

Fraud

See also Antiques, Forged; Art forgeries; Counterfeits; Forgery; Imposture; Swindlers and swindling

Frauds, Literary, *see* Literary forgeries and mystifications

Free agency *see* Freedom of the will

Free churches

Free coinage of silver *see* Coinage; Silver (as money)

Free-hand drawing *see* Drawing

Free institutions

See also Democracy; Federal government; Liberty; Representative government and representation; Republics

Refer from France—History—Second republic; Revolutions

Refer from France—History—Revolution of 1848; France—History—Coup d'état, 1851

Refer from Coup d'état of 1851 (s); France—History—Second republic; France—History—Second empire

Refer from France—History—Coup d'état, 1851; Franco-German war

Refer from Commune, Paris (s); Paris—History—Siege and commune

Refer from Capuchins; Friars minor (s); Gray friars (s); Grey friars (s); Minorites (s); Monasticism; Religious orders

Refer from France—History—Second empire; France—History—Franco-German war (s); Germany—History—1866-; Paris—History—Siege and commune; Sedan campaign

Refer from Postal service

Refer from France—History—To 1328; Germany—History—To 1517; Teutonic race

Refer from College fraternities (s); Colleges and universities; Greek letter societies (s); Hazing; Secret societies; Societies; Student life

Refer from Greek letter societies (s); High school fraternities (s); High schools; Secret societies; Societies

Refer from Crime and criminals; Imposture; Misrepresentation (s); Swindlers and swindling

Refer from Church polity; Churches (s)

Refer from Government; Liberty

Free masons *see* Freemasons

Free religion

See also Free thought; Liberty of conscience

Free schools *see* Charity schools; Public schools

Free seed distribution *see* Seeds — Distribution

Free soil party

See also Slavery in the U. S.; U. S. — History — 1815-1861

Free speech *see* Liberty of speech

Free thinking *see* Free thought

Free thought

See also Agnosticism; Deism; Free religion; Rationalism; Religious liberty; Secularism; Skepticism

Free trade *see* Tariff question

Free will *see* Freedom of the will

Freebooters *see* Buccaneers; Filibusters; Pirates

Freedmen

See also Negroes; Reconstruction; Slavery

Freedom *see* Liberty; Slavery,

Freedom of the press *see* Liberty of the press

Freedom of the will

See also Necessity; Predestination; Will

Freemasons

— **Templars**

See also Templars

Freezing *see* Cold; Frost; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

Freight

See also Carriers; Demurrage; Railroads — Rates; Transportation

Freight rates *see* Freight. For railroad freight rates *see* Railroads — Rates

French and Indian war, 1755-1763

See also Indians — Wars; Pontiac's conspiracy; Seven years' war; U. S. — History — Colonial period

French-Canadian literature *see* Canadian literature

French-Canadians

See also Acadians; Canada — History — Rebellion, 1837-1838

French drama

See also Dramatists, French; French literature; Theater — France

French essays

See also French literature

Refer from Free thought; Religion; Religious liberty; Theology; Unitarianism

Refer from Political parties; Republican party; Slavery in the U. S.; U. S. — History — 1815-1861

Refer from Deism; Free religion; Free thinking (s); Rationalism; Religious liberty; Skepticism

Refer from Negroes; Reconstruction; Slavery; Slavery in the U. S.

Refer from Determinism (s); Ethics; Fate and fatalism; Free agency (s); Free will (s); Indeterminism (s); Liberty of the will (s); Necessity; Predestination; Psychology; Theology; Will

Refer from Anti-masonry (s); Free masons (s); Knights of the red cross (s); Masons (secret order) (s); Secret societies

Refer from Knights templars (masonic) (s); Order of the temple (s); Templars

Refer from Carriers; Commerce; Freight rates (s); Railroads; Railroads — Freight (s); Transportation; Waterways

Refer from Canada — History — To 1763; England — History — 1714-1837; France — History — Bourbons; French in America; Indians — Wars; New York (state) — History; Seven years' war; U. S. — History — Colonial period; U. S. — History — French and Indian war (s)

Refer from Canada — Social life and customs; Ethnology — Canada; French in America; National characteristics, Canadian

Refer from Dramatists, French; French literature; French poetry; Theater — France

Refer from Essays; French literature

French fiction

See also French literature

French in America

See also Canada — History — To 1763 (New France); French and Indian war; French-Canadians; Queen Anne's war; U. S. — History — Revolution — French participation

French language [subdivided like German language]

See also Commercial correspondence — French; Précieuses; Provençal language; Romance languages

French literature

See also Authors, French; Charlemagne — Romances; Encyclopedists; French drama; French essays; French fiction; French poetry; Précieuses; Provençal literature; Romance literature; Symbolism in literature
French philosophy *see* Philosophy, French

French poetry

See also Fabliaux; French drama; French literature; Poets, French; Troubadours; Trouvères

French revolution

See also Chouans; Girondists; Jacobins; Napoleonic wars; Vendean war

— Causes**— Personal narratives**

French salons *see* Salons

French spoliation claims

Fresco painting *see* Frescoes

Frescoes

See also Mural painting and decoration; Stencil work

Fresh air charity

Fresh air schools *see* Open-air schools

Fresh-water fauna

See also Aquariums; Fresh-water life; Insects, Aquatic

Fresh-water flora *see* Aquatic plants

Fresh-water life

See also Aquatic plants; Fresh-water fauna; Plankton

Fret cutting *see* Grilles; Lattice; Wood carving

Friars *see* Monasticism

Friars minor *see* Franciscans

Friars preachers *see* Dominicans

Friction

See also Bearings (machinery); Lubrication and lubricants

Friendly societies *see* Benefit societies

Friendly visiting

See also Charities

Friends, Society of

Refer from French literature

Refer from Canada — History — To 1763 (New France)

Refer from Langue d'oïl (s); Romance languages

Refer from Authors, French; French drama; French essays; French fiction; French poetry; Provençal literature; Romance literature

Refer from French literature; Poets, French

Refer from Directory, French (s); France — History — Revolution (s); Girondists; Jacobins; Reign of terror (s); Revolutions; Terror, Reign of (s); Vendean war

Refer from Claims; U. S.— Foreign relations — France; U. S.— History — 1783–1812

Refer from Art; Decoration and ornament; Fresco painting (s); House painting; Mural painting and decoration; Painting

Refer from Charities; Children — Charities, protection, etc.

Refer from Aquariums; Aquatic animals (s); Fresh-water life; Marine zoology; Zoology

Refer from Aquatic life (s); Aquatic plants; Brook life (s); Fresh-water fauna; Limnobiology (s); Plankton; Pond life (s); Ponds

Refer from Bearings (machinery); Lubrication and lubricants; Machinery; Mechanical engineering; Mechanics; Physics

Refer from Charities; Charity; Poor; Social settlements; Social work

Refer from Congregationalism; Dissenters; Nonresistance; Persecution; Puritans; Quakers (s); Sects; Society of Friends (s)

Friendship

See also Love; Sympathy

Fröbel system of education *see* Kindergarten

Frogs

See also Amphibia; Toads

Fronde

See also France — History — Bourbons

Frontier and pioneer life

See also Colonial life and customs; Colonies and colonization; Cowboys; Indians — Captivities; Overland journeys to the Pacific; Ranch life; Western states

Frontiers

See also Boundaries

Frost

See also Cold; Frost protection; Ice; Plants, Effect of temperature on; Refrigeration and refrigerating machinery

Frost protection**Fruit**

See also Berries; Canning and preserving; Fruit culture; Nuts; *also* names of fruits, e.g. Apple, Grape, Orange, Peach, Pear

—Diseases and pests

See also Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Scale insects; Spraying; Trees — Diseases and pests; *also* names of diseases and pests, e.g. Crown gall, Codling moth

—Evaporation**Fruit culture**

See also Agriculture; Frost protection; Fruit — Diseases and pests; Fumigation of plants; Fungicides; Gardening; Grafting; Nurseries (horticulture); Pruning; Spraying; *also* names of fruits

Fruit pests *see* Fruit — Diseases and pests

Fuel

See also Briquets; Calorimetry and calorimetry; Charcoal; Coal; Coke; Furnaces; Gas; Gas, Natural; Heating; Lignite; Liquid fuel; Peat; Petroleum; Smoke; Wood

Fugitive slaves

See also Maroons; Underground railroad (slavery)

Fugue

See also Canon (music); Musical form

Fumigation

See also Disinfection and disinfectants; Formaldehyde; Fumigation of plants

Fumigation of plants

See also Fruit — Diseases and pests

Refer from Affection (s); Conduct of life; Ethics; Love; Sympathy

Refer from Amphibia; Toads

Refer from France — History — Bourbons

Refer from Adventure; Border life (s); Colonies and colonization; Overland journeys to the Pacific; Pacific states; Pioneer life (s); Western states

Refer from Boundaries; International relations

Refer from Cold; Freezing (s); Meteorology; Water

Refer from Agriculture; Frost; Fruit culture; Gardening; Orchard heating (s); Protection from frost (s)

Refer from Agricultural products; Apple; Berries; Botany; Food; Grape; Orange; Orchards (s); Peach; Pear; Pomology (s); Small fruit (s); Trees

Refer from Agricultural pests; Bacteriology, Agricultural; Fruit culture; Fruit pests (s); Fumigation of plants; Fungi; Insects, Injurious and beneficial; Plants — Diseases; Spraying; Trees — Diseases and pests

Refer from Evaporation of fruit (s)

Refer from Agriculture; Arboriculture (s); Fruit; Gardening; Grafting; Horticulture (s); Orchards (s); Pomology (s); Pruning

Refer from Boilers; Briquets; Chemistry, Technical; Combustion; Engines; Fire; Furnaces; Heating; Home economics; Manufactures; Mechanical engineering; Smoke

Refer from Slavery in the U. S.; Underground railroad (slavery)

Refer from Canon (music); Composition (music); Counterpoint; Music; Music — Theory; Musical form

Refer from Contagion and contagious diseases; Disinfection and disinfectants; Formaldehyde; Smoke

Refer from Floriculture; Fruit — Diseases and pests; Fruit culture; Fumigation; Gardening

Functions

See also Calculus; Groups, Theory of

Funds *see* Finance; Sinking funds

Funeral rites and ceremonies

See also Burial; Funeral sermons; Indians
— Mortuary customs; Mourning customs

Funeral sermons

See also Obituaries

Fungi

See also Bacteriology; Crown gall; Cryptogams; Dry rot; Fruit — Diseases and pests; Fungicides; Galls (botany); Mildew; Mold; Mushrooms; Plants — Diseases

Fungicides

See also Bordeaux mixture; Spraying

Fur

See also Fur-bearing animals; Fur trade; Hides and skins

Fur-bearing animals

See also names of fur-bearing animals, e.g. Foxes, Seals (animals), Wolves

Fur seals *see* Seals (animals)

Fur trade

See also Hudson Bay company; Trapping

Furnaces

See also Blast furnaces; Boilers; Cupola furnaces; Electric furnaces; Foundry work; Fuel; Mechanical draft; Metallurgy; Smelting

Furniture

See also Antiques; Bamboo; Beds; Cabinet work; Candlesticks; Chairs; Church furniture; Garden ornaments and furniture; House decoration; Lamps; Library fittings and supplies; Mirrors; School furniture and equipment; Upholstery; Veneers and veneering; Wood carving

— Colonial

Furs *see* Fur

Future *see* Forecasts; Fortune telling; Future life; Prophecies

Future life

See also Annihilation; Death; Eschatology; Eternity; Future punishment; Heaven; Hell; Judgment day; Millennium; Purgatory; Resurrection; Salvation; Soul; Spiritualism; Transmigration

Future punishment

See also Future life; Hell; Purgatory; Universalism

Future religion *see* Religion of the future

Fylfot *see* Swastika

Refer from Algebra; Analysis (mathematics) (s); Calculus; Elliptic functions (s); Logarithms

Refer from Archaeology; Burial; Christian antiquities; Death; Manners and customs; Mortuary customs (s); Rites and ceremonies

Refer from Funeral rites and ceremonies; Obituaries; Sermons

Refer from Agricultural pests; Cryptogams; Fruit — Diseases and pests; Microbes (s); Mildew; Mold; Mushrooms; Mycology (s); Parasites; Pests (s); Plants — Diseases

Refer from Bordeaux mixture; Fruit culture; Fungi; Germicides (s); Spraying

Refer from Animal products; Clothing; Furs (s); Hides and skins

Refer from Fur; Mammals; Zoology; Zoology, Economic

Refer from Canada — Commerce; Commerce; Fur; Hudson Bay company; Trapping

Refer from Fuel; Heating; Metallurgy; Smelting

Refer from Arts and crafts; Beds; Cabinet work; Chairs; Decoration and ornament; Home economics; House decoration; Industrial arts; Interior decoration (s); Manufactures; Upholstery; Wood carving

Refer from Colonial furniture (s); Colonial life and customs

Refer from Annihilation; Death; Eschatology; Eternal life (s); Eternity; Future (s); Future punishment; Hades (s); Heaven; Hell; Immortality (s); Intermediate state (s); Judgment day; Life; Man; Millennium; Natural religion; Philosophy; Probation (theology) (s); Purgatory; Religion; Resurrection; Retribution (s); Salvation; Soul; Theology; Universalism

Refer from Death; Endless punishment (s); Eschatology; Future life; Hell; Punishment; Purgatory; Retribution (s); Sin; Theology; Universalism

Gables

See also Roofs

Gadhelic literature *see* Celtic literature

Gadsden purchase

Gaelic language

See also Celtic languages; Irish language

Gaelic literature

See also Celtic literature; Irish literature (Celtic)

Gaels *see* Celts

Gaging

Galaxy *see* Milky way

Gales *see* Storms; Winds

Gallanty shows *see* Shadow pantomimes

Galleries (art) *see* Art — Galleries and museums; *also* special galleries

Galleys

Gallic wars

See also Gauls; Rome — History — Republic

Gallican church *see* Catholic church in France

Galls (botany)

See also Crown gall

Galvanic batteries *see* Electric batteries

Galvanism *see* Electricity

Galvanizing

See also Electroplating; Plating

Galvanometer

See also Electric measurement

Galvanoplasty *see* Electrometallurgy; Electroplating; Electrotyping

Galveston plan of city government *see* Municipal government — Commission plan

Gambling

See also Betting; Cards; Dice; Horse racing; Lotteries; Poker; Probabilities

Game

See also Game birds; Game laws; Game protection; Hunting; Shooting; Tracking; Trapping; *also* names of animals, e.g. Deer

Game birds

See also Falconry; Game; Shooting; *also* names of game birds, e.g. Ducks

Game laws

See also Game protection; Poaching

Game protection

See also Game laws

Games

See also Amusements; Athletics; Backgammon; Baseball; Basket-ball; Billiards; Bowling; Cards, and names of card games; Checkers; Chess; College athletics; Counting out; Cricket; Croquet; Curling; Dice; Dominoes; Football; Gambling; Golf; Handball; Hockey; Indians — Games; Kinder-

Refer from Architecture; Roofs

Refer from Arizona; New Mexico; U. S.—Annexations

Refer from Celtic languages; Erse (s); Irish language; Scottish language (s)

Refer from Celtic literature; Irish literature (Celtic); Scottish literature

Refer from Gauging (s); Mensuration; Weights and measures

Refer from Punishment; Ships; Slavery; Warships

Refer from Gauls; Rome — History — Republic

Refer from Botany — Physiology; Fungi; Plants — Diseases

Refer from Electrogalvanizing (s); Electroplating; Iron; Plating; Zinc

Refer from Electric apparatus and appliances; Electric measurement

Refer from Betting; Cards; Crime and criminals; Ethics; Games; Gaming (s); Sports

Refer from Big game (s); Game birds; Hunting; Shooting; Zoology

Refer from Birds; Ducks; Falconry; Game; Hunting; Shooting; Wild fowl (s)

Refer from Animals — Protection (s); Birds — Protection; Fishing; Game; Game protection; Hunting; Law; Poaching

Refer from Animals — Protection (s); Birds — Protection; Game; Game laws; Hunting; Protection of game (s)

Refer from Amusements; Athletics; Cards; Pastimes (s); Physical education; Play; Recreation (s); Sports

garten — Games and songs; Lacrosse; Olympic games; Ping-pong; Play; Polo; Rackets; School athletics; Solitaire; Sports; String figures; Tennis; Toys
Gaming *see* Gambling
Gaols *see* Prisons
Garages

Garbage *see* Refuse and refuse disposal
Garden cities

See also Cities — Planning and laying out

Garden furniture *see* Garden ornaments and furniture

Garden of Eden *see* Eden

Garden ornaments and furniture

See also Concrete pottery; Rustic wood-work

Gardening

See also Acclimatization (plants); Agricultural pests; Agriculture; Botany; Electro-horticulture; Floriculture; Frost protection; Fruit culture; Fumigation of plants; Gardens; Grafting; Greenhouses; Insects, Injurious and beneficial; Landscape gardening; Lawns; Market gardening; Nurseries (horticulture); Plant breeding; Plant propagation; Pruning; School gardens; Seedlings; Seeds — Selection and testing; Shrubs; Spraying; Vacant lot cultivation; Vegetables; Weeds; Window gardening

Gardens

See also Botanical gardens; Garden ornaments and furniture; Gardening; Landscape gardening; School gardens; Water gardens

Garment cutting [for underwear, white goods, etc.]

See also Dressmaking; Tailoring

Garnishment *see* Attachment

Garter, Order of the

Gas

See also Acetylene; Chemistry, Technical; Coal-tar products; Gas and oil engines; Gas lighting; Gas producers; Gases; Incandescent gas-lighting; Petroleum

—**Natural**

See also Geology, Economic

Gas and oil engines

See also Alcohol motors; Gas producers; Heat engines; Liquid fuel

Gas companies

See also Gas lighting

Gas engines *see* Gas and oil engines

Refer from Architecture; Automobiles; Barns and stables

Refer from Cities; Cities — Planning and laying out; Housing problem; Industrial betterment; Municipal improvement

Refer from Furniture; Garden furniture (s); Gardens; Landscape gardening; Rustic wood-work

Refer from Agriculture; Botany; Country life; Farm life; Floriculture; Fruit culture; Gardens; Home economics; Horticulture (s); Industrial arts; Kitchen gardening (vegetables) (s); Landscape gardening; Market gardening; Planting (s); Plants; Plants, Cultivated; School gardens; Shrubs; Vegetable gardening (s); Vegetables

Refer from Botanical gardens; Flower gardens (s); Gardening; Landscape gardening

Refer from Clothing; Cutting (s); Dress-making; Underwear

Refer from Knights and knighthood; Order of St. George (English) (s); Order of the Garter (s)

Refer from Chemistry, Organic; Chemistry, Technical; Coal; Coal gas (s); Coal-tar products; Fuel; Gas lighting; Gases; Illuminating gas (s); Lighting; Manufactures; Petroleum; Producer gas (s)

Refer from Fuel; Gas wells (s); Geology, Economic; Natural gas (s); Wells

Refer from Engines; Gas; Gas engines (s); Gas motors (s); Gas producers; Gasoline engines (s); Heat engines; Internal combustion engines (s); Kerosene engines (s); Liquid fuel; Marine engines; Motors; Oil engines (s); Petrol engines (s); Petroleum engines (s)

Refer from Gas lighting; Public service corporations

Gas fitting

See also Gas meters; Pipe fitting; Plumbing

Gas lighting

See also Acetylene; Electric gas lighting;

Gas; Gas companies; Gas meters; Incandescent gas-lighting

Gas mantles *see* Incandescent gas-lighting

Gas meters

Gas motors *see* Gas and oil engines

Gas producers

See also Gas and oil engines

Gas wells *see* Gas, Natural

Gases

See also Acetylene; Aerodynamics; Air; Argon; Chemistry; Electric discharges through gases; Eudiometer; Fire damp; Gas; Helium; Ionization of gases; Liquefaction of gases; Nitrogen; Oxygen; Ozone; Viscosity

—Kinetic theory

Gasoline

Gasoline engines *see* Gas and oil engines

Gasoline launches *see* Motor boats

Gasteropoda

See also Mollusks

Gastronomy *see* Cookery; Dinners and dining; Eating; Food

Gastropoda *see* Gasteropoda

Gates

See also Fences

Gauging *see* Gaging

Gauls

See also Celts; France — History — To 1328; Gallic wars

Gazetteers

See also Names, Geographical; *also* names of countries, subhead Description and travel — Gazetteers

Gearing

See also Machine design; Mechanical movements; Power transmission; Valves and valve gears

Geese

See also Poultry; Water birds

Gelatin

See also Glue; Physiological chemistry

Gems

See also Cameos; Diamonds; Glyptics; Intaglios; Jewelry; Precious stones

Genealogy

See also Biography; Estates, Unclaimed; Heraldry; Peerage; Precedence; Royal descent, Families of; Visitations, Heraldic; Vital records; Wills; *also* names of families, and names of countries and cities, subhead Genealogy

Generals

See also Military biography

Generation *see* Reproduction

Refer from Pipe fitting; Plumbing

Refer from Gas; Gas companies; Incandescent gas-lighting; Lighting

Refer from Gas fitting; Gas lighting; Meters (s)

Refer from Gas; Gas and oil engines; Producer gas (s)

Refer from Chemistry; Expansion (physics); Fluids; Gas; Mechanics; Physics; Pneumatics (s); Vapor (s)

Refer from Kinetic theory of gases (s)

Refer from Liquid fuel; Petrol (s); Petroleum

Refer from Gastropoda (s); Mollusks

Refer from Architecture; Doors; Fences

Refer from Celts; Ethnology — France; France — History — To 1328; Gallic wars

Refer from Geography; Geography — Dictionaries (s); Names, Geographical

Refer from Bevel gearing (s); Cog-wheels (s); Cogwheels (s); Machine design; Machinery; Mechanical movements; Power transmission; Spiral gearing (s)

Refer from Goose (s); Poultry; Water birds; Wild geese (s)

Refer from Animal products; Glue; Isinglass (s); Physiological chemistry

Refer from Archaeology; Art; Cameos; Decoration and ornament; Diamonds; Engraving; Glyptics; Intaglios; Jewelry; Lapidary work (s); Mineralogy; Precious stones

Refer from Ancestry (s); Biography; Descent (s); Families (s); Heraldry; History; History — Sources; Pedigrees (s)

Refer from Military biography

Generation, Spontaneous, *see* Spontaneous generation

Generators, Electric, *see* Dynamos

Geneva award *see* Alabama claims

Genius

See also Ability; Precocity; Talent

Gentlemen

See also Courtesy; Etiquet

Geochemistry

See also Mineral waters; Mineralogy; Ores; Rocks

Geodes

Geodesy

See also Astronomy, Spherical and practical; Azimuth; Earth — Figure; Geography, Mathematical; Latitude and longitude; Least squares; Pendulum; Surveying; *also* names of countries and states, subhead Surveys

Geodetic surveying *see* Surveying

Geognosy *see* Geology

Geographical distribution of animals and plants

See also Acclimatization (plants); Animals — Migration; Ecology; Plant introduction; Plants — Migration; Seeds — Dispersal

Geographical distribution of men *see* Anthropogeography

Geographical myths

Geographical names *see* Names, Geographical

Geographical pathology *see* Medical geography

Geographical societies

See also Alpine clubs

Geography

See also Antarctic regions; Anthropogeography; Arctic regions; Atlases; Boundaries; Commercial geography; Continents; Discoveries and explorations; Distances; Earth; Ethnology; Explorers; Gazetteers; Geographical myths; Geographical societies; Globes; Islands; Latitude and longitude; Map drawing; Maps; Medical geography; Names, Geographical; Physical geography; Surveying; Tropics; Views; Voyages and travels; *also* names of countries, subhead Description and travel

—Ancient

See also Bible — Geography; *also* names of countries of antiquity, subhead Description, geography

—Biblical, *see* Bible — Geography

—Commercial, *see* Commercial geography

—Dictionaries, *see* Gazetteers

—Economic, *see* Commercial geography

Refer from Ability; Heredity; Insanity; Intellect; Psychology; Talent

Refer from Conduct of life; Ethics; Etiquet; Men; Young men

Refer from Chemical geology (s); Chemistry; Earth; Geological chemistry (s); Geology, Chemical (s); Mineralogy; Ores; Physical geography; Rocks

Refer from Geology; Rocks

Refer from Astronomy; Degrees of latitude and longitude (s); Earth; Earth — Figure; Geography, Mathematical; Mathematics; Mensuration; Surveying; Triangulation (s); Trigonometry

Refer from Animals — Geographic distribution (s); Animals — Migration; Botany; Botany, Geographic (s); Distribution of animals and plants (s); Ecology; Physical geography; Phytogeography (s); Plant geography (s); Plants — Geographic distribution (s); Plants — Migration; Zoogeography (s); Zoology

Refer from Folklore; Geography; Geography — History; Imaginary islands (s); Islands, Imaginary (s)

Refer from Alpine clubs; Geography; Societies

Refer from Atlases; Earth; Physical geography; Science; Topography (s); Voyages and travels

Refer from Ancient geography (s); Classical geography (s); Geography, Historical; Geography — History; History, Ancient

Geography—Continued

—Historical

See also Geography, Ancient; Historical atlases

—History

See also Discoveries and explorations; Geographical myths; Geography, Ancient

—Mathematical

See also Astronomy; Geodesy; Latitude and longitude; Surveying; Topographical drawing

—Medical, see Medical geography

—Physical, see Physical geography

—Political, see Boundaries; *also* names of countries and states, subhead Boundaries

—Social, see Anthropogeography

—Study and teaching

Geological chemistry *see* Geochemistry

Geological surveys

Geologists

Refer from Historical atlases; Historical geography (s); History

Refer from Discoveries and explorations

Refer from Astronomy; Geodesy; Latitude and longitude; Mathematical geography (s); Mathematics; Surveying

Refer from Geology; Surveys (s)

Refer from Scientists

Geology

See also Alluvium; Beaches; Boulders; Coal; Concretions; Creation; Deluge; Dikes (geology); Drift; Earth; Earth—Age; Earthquakes; Erosion; Evolution; Geodes; Geological surveys; Geysers and hot springs; Glacial period; Glaciers; Igneous rocks; Landslides; Man—Origin and antiquity; Metals; Mineralogy; Moraines; Mountains; Ore deposits; Paleontology; Physical geography; Rocks; Sedimentation and deposition; Soils; Stone; Volcanoes

—Chemical, see Geochemistry

—Economic

See also Abrasives; Asbestos; Asphalt; Building stones; Cement; Chalk; Clay; Coal; Coal regions; Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Quarries and quarrying; Salt; Soils; Stone; Sulphur

—Stratigraphic

See also Paleontology

—Algonkian

—Archaean

—Cambrian

—Carboniferous

—Cenozoic

See also Geology, Stratigraphic—Quaternary; Geology, Stratigraphic—Tertiary

—Cretaceous

—Devonian

—Eocene

—Glacial, see Glacial period

Refer from Alluvium; Concretions; Creation; Drift; Earth; Earth—Age; Earthquakes; Erosion; Geognosy (s); Geonomy (s); Glacial period; Man—Origin and antiquity; Mineralogy; Mountains; Natural history; Paleontology; Physical geography; Physical geology (s); Rocks; Science; Sedimentation and deposition; Volcanoes

Refer from Abrasives; Asbestos; Asphalt; Building stones; Cement; Chemical geology (s); Clay; Coal; Coal regions; Economic geology (s); Gas, Natural; Graphite; Gypsum; Metals; Mineral waters; Mines and mineral resources; Natural resources; Ore deposits; Ores; Peat; Petroleum; Phosphates; Salt; Sulphur

Refer from Stratigraphy (s)

Refer from Algonkian period (s); Geology, Stratigraphic—Proterozoic (s)

Refer from Archaean period (s); Geology, Stratigraphic—Pre-Cambrian (s); Pre-Cambrian period (s)

Refer from Cambrian period (s); Geology, Stratigraphic—Paleozoic

Refer from Carboniferous period (s); Geology, Stratigraphic—Paleozoic

Refer from Cenozoic era (s)

Refer from Cretaceous period (s); Geology, Stratigraphic—Mesozoic

Refer from Devonian period (s); Geology, Stratigraphic—Paleozoic; Oriskany formation (s)

Refer from Eocene period (s); Geology, Stratigraphic—Tertiary

Geology — Stratigraphic — Continued

— Jurassic

— Lower Silurian, *see* Geology, Stratigraphic — Ordovician

— Mesozoic

See also Geology, Stratigraphic — Cretaceous; Geology, Stratigraphic — Jurassic; Geology, Stratigraphic — Triassic

— Miocene

— Ordovician

— Paleozoic

See also Geology, Stratigraphic — Cambrian; Geology, Stratigraphic — Carboniferous; Geology, Stratigraphic — Devonian; Geology, Stratigraphic — Ordovician; Geology, Stratigraphic — Permian; Geology, Stratigraphic — Silurian

— Permian

— Pleistocene, *see* Glacial period

— Pliocene

— Pre-Cambrian, *see* Geology, Stratigraphic — Archaean

— Proterozoic, *see* Geology, Stratigraphic — Algonkian

— Quaternary

See also Glacial period

— Silurian

— Tertiary

See also Geology, Stratigraphic — Eocene; Geology, Stratigraphic — Miocene; Geology, Stratigraphic — Pliocene

— Triassic

Geology — U. S.

See also Paleontology — U. S.; Physical geography — U. S.

Geology and the Bible *see* Bible and science

Geometrical drawing

See also Geometry, Descriptive; Graphics; Mechanical drawing; Perspective; Projection

Geometry

See also Angles; Axioms; Circle; Circle-squaring; Conic sections; Curves; Fourth dimension; Geometrical drawing; Mathematics; Mensuration; Perspective; Porisms; Quaternions; Surfaces; Trigonometry

— Analytic

See also Conic sections; Curves; Surfaces

— Descriptive

See also Perspective; Projection; Shades and shadows; Stereotomy

Refer from Geology, Stratigraphic — Mesozoic; Jurassic period (s)

Refer from Mesozoic era (s)

Refer from Geology, Stratigraphic — Tertiary; Miocene period (s)

Refer from Geology, Stratigraphic — Lower Silurian (s); Geology, Stratigraphic — Paleozoic; Lower Silurian period (s); Ordovician period (s)

Refer from Paleozoic era (s)

Refer from Geology, Stratigraphic — Paleozoic; Permian period (s)

Refer from Geology, Stratigraphic — Tertiary; Pliocene period (s)

Refer from Geology, Stratigraphic — Cenozoic; Glacial period; Quaternary period (s)

Refer from Geology, Stratigraphic — Paleozoic; Silurian period (s)

Refer from Geology, Stratigraphic — Cenozoic; Tertiary period (s)

Refer from Geology, Stratigraphic — Mesozoic; Triassic period (s)

Refer from Paleontology — U. S.; Physical geography — U. S.; U. S.— Geology (s)

Refer from Drawing; Geometry; Graphics; Mathematical drawing (s); Mechanical drawing; Projection

Refer from Angles; Axioms; Circle; Circle-squaring; Mathematics; Plane geometry (s); Solid geometry (s); Stereography (s); Trigonometry

Refer from Analytical geometry (s); Conic sections; Coordinate geometry (s)

Refer from Descriptive geometry (s); Geometrical drawing; Projection; Shades and shadows

Geonomy *see* Geology; Physical geography
Germ theory of disease
See also Bacteriology

German (dance) *see* Cotillion
German-American literature
See also Germans in the U. S.

German Baptist brethren

German dictionaries *see* German language —
Dictionaries

German drama

See also Dramatists, German; German
literature; Theater — Germany
German empire (Western empire) *see* Holy
Roman empire

German fiction

See also German literature

German grammar *see* German language —
Grammar

German Hebrew *see* Yiddish language

German language

See also Germanic languages

— **Accents**

— **Antonyms** *see* German language — Syn-
onyms and antonyms

— **Composition**

— **Conversation and phrase books**

— **Dialects**

See also Low German language

— **Dictionaries**

— **Etymology**

— **Grammar**

— **History**

— **Idioms**

— **Meter**, *see* German language — Prosody

— **Orthography**, *see* German language —
Spelling

— **Pronunciation**

— **Prosody**

— **Readers**

— **Spelling**

— **Study and teaching**

— **Synonyms and antonyms**

— **Syntax**, *see* German language — Grammar

German literature

See also Austrian literature; Authors,
German; German-American literature; Ger-
man drama; German fiction; German
poetry; Parodies; Romances

German philosophy *see* Philosophy, German
German poetry

See also German literature; Meistersingers;
Minnesingers; Poets, German

German romances

For medieval romances *see* Romances;
for modern romances *see* German fiction

Refer from Bacilli (s); Bacteriology; Con-
tagion and contagious diseases; Disease
germs (s); Germs (s); Medicine; Pathology

Refer from American literature; German
literature; Germans in the U. S.

Refer from Baptists; Dunkards (s); Dun-
kers (s); Sects; Seventh-day Baptists; Tun-
kards (s); Tunkers (s)

Refer from Dramatists, German; German
literature; Theater — Germany

Refer from German literature; German
romances (s)

Refer from Germanic languages

Refer from German dictionaries (s)

Refer from German grammar (s); German
language — Syntax (s)

Refer from German language — Meter (s)

Refer from German language — Orthog-
raphy (s)

Refer from German language — Anto-
nyms (s)

Refer from Austrian literature; Authors,
German; German drama; German fiction;
German poetry

Refer from German literature; Meister-
singers; Minnesingers; Poets, German

Germanic languages

See also Anglo-Saxon language; Aryan languages; Danish language; Dutch language; English language; Flemish language; German language; Gothic language; Grimm's law; Icelandic language; Low German language; Norwegian language; Old Saxon language; Runes; Scandinavian languages; Swedish language

Germanic mythology *see* Mythology, Germanic

Germanic race *see* Teutonic race

Germans in Pennsylvania

See also Germans in the U. S.; Redemptioners; Schwenkfelders

Germans in the U. S.

See also German-American literature; Germans in Pennsylvania; U. S.—History — Revolution — German troops

Germany — History

See also Hanseatic league; Holy Roman empire; Prussia — History

— To 1517

See also Franks; Goths

— 1517–1740

See also Peasants' war; Reformation — Germany; Spanish succession, War of; Thirty years' war

— 1740–1815

See also Austrian succession, War of; Napoleonic wars; Seven years' war

— 1815–1866

See also Germany — History — Revolution, 1848–1849

— Revolution, 1848–1849

— 1866–

See also Franco-German war; Triple alliance, 1883–

Germicides *see* Disinfection and disinfectants; Fungicides

Germination

See also Botany — Physiology; Seeds

Germs *see* Bacteriology; Germ theory of disease

Gerrymander

Gesso

See also Arts and crafts

Gesture

See also Delsarte system; Elocution; Pantomime; Sign language

Gettysburg, Battle of, 1863

See also U. S.—History — Civil war

Geysers and hot springs

See also Springs

Ghetos

See also Jews

Ghibellines *see* Guefs and Ghibellines

Ghost dance

See also Indians — Dances

Ghost stories

Refer from Anglo-Saxon language; Aryan languages; Dutch language; English language; Flemish language; German language; Gothic language; Low German language; Old Saxon language; Scandinavian languages; Teutonic languages (s)

Refer from Germans in the U. S.; Pennsylvania Dutch (s); Pennsylvania Germans (s)

Refer from German-American literature; Germans in Pennsylvania; U. S.—Foreign population

Refer from Hanseatic league; Holy Roman empire; Prussia — History

Refer from Franks; Goths

Refer from Peasants' war; Reformation — Germany; Thirty years' war

Refer from Austrian succession, War of; Seven years' war

Refer from Germany — History — 1815–1866; Revolutions

Refer from Botany — Embryology; Botany — Physiology; Seeds

Refer from Elections; Elections — U. S.; Representative government and representation; U. S.—Politics

Refer from Arts and crafts; Mural painting and decoration; Plaster and plastering; Stucco

Refer from Acting; Elocution; Oratory; Pantomime

Refer from Battles; U. S.—History — Civil war — Campaigns and battles

Refer from Geology; Hot springs (s); Physical geography; Springs; Thermal springs (s)

Refer from Jewries (s); Jews

Refer from Indians — Dances
Refer from Ghosts

Ghosts

See also Apparitions; Demonology; Ghost stories; Illusions and hallucinations; Psychological research; Spiritualism; Superstition

Giants**Gifts**

See also Charities; Christmas gifts; Philanthropy

Giving (kindergarten) *see* Kindergarten

Gilding

See also Electroplating; Metal coloring

Gilds

See also Employers' associations; Labor unions; Livery; Neighborhood gilds; *also* names of cities, subhead Gilds

Ginseng**Gipsies**

See also Nomads

Gipsy language *see* Romany language

Gipsy moth**Girders**

See also Bridges; Building; Graphic statics; Roofs; Steel construction; Strains and stresses; Trusses

Girls

See also Child labor; Children; Coeducation; Education; Education of women; Girls' clubs; School children; Women; Young women; Youth

Girls' clubs**Girondists**

See also French revolution

Giving *see* Charity; Gifts; Philanthropy

Glacial drift *see* Drift

Glacial period

See also Drift; Geology; Geology, Stratigraphic — Quaternary; Glaciers; Man — Origin and antiquity

Glaciers

See also Boulders; Drift; Erosion; Glacial period; Ice; Icebergs; Moraines; Physical geography

Gladiators

Gladness *see* Cheerfulness; Contentment; Happiness

Glands

See also Anatomy; Liver

Glass

See also Annealing; Glass flowers; Glass manufacture; Glazing; Stained glass; Windows

—Ornamental

See also Stained glass

Glass flowers

Refer from Apparitions; Folklore; Haunted houses (s); Illusions and hallucinations; Psychical research; Specters (s); Spectres (s); Spirits (s); Superstition

Refer from Man; Monsters

Refer from Bequests (s); Deeds; Ethics; Giving (s); Presents (s)

Refer from Goldsmithing; Metal coloring; Painting, Mechanical; Plating

Refer from Associations (s); Commerce; Corporations; Economics; Guilds (s); Labor and laboring classes; Labor organizations (s); Labor unions; Local government; Societies; Sociology; Workingmen's associations (s)

Refer from Agricultural products; Medical botany

Refer from Ethnology; Gypsies (s); Nomads; Vagabonds (s)

Refer from Gypsy moth (s); Moths; Trees — Diseases and pests

Refer from Beams (s); Bridges; Building; Graphic statics; Plate girders (s); Roofs; Steel construction; Strains and stresses; Strength of materials; Trusses

Refer from Children; Conduct of life; Women; Working girls (s); Young people (s); Young women; Youth

Refer from Clubs; Girls; Women's clubs

Refer from French revolution

Refer from Drift; Earth; Geology; Geology, Stratigraphic — Glacial (s); Geology, Stratigraphic — Pleistocene (s); Geology, Stratigraphic — Quaternary; Glaciers; Ice age (s); Man — Origin and antiquity; Pleistocene period (s)

Refer from Boulders; Drift; Erosion; Geology; Glacial period; Ice; Moraines; Physical geography; Water

Refer from Amphitheaters; Fighting (s); Rome — Social life and customs

Refer from Anatomy; Liver

Refer from Annealing; Arts and crafts; Building materials; Cut glass (s); Plate glass (s); Windows

Refer from Art glass (s); Stained glass

Refer from Artificial flowers; Flowers; Glass

Glass manufacture

See also Chemistry, Technical; Mirrors;

Optical instruments

Glass painting *see* Stained glass

Glassites *see* Sandemanians

Glazing**Glees**

See also Choruses and part songs; Songs

Gliders *see* Aeroplanes

Globes

See also Astronomy

Gloves

See also Costume

Glucose

See also Chemistry, Technical

Glue

See also Adhesives; Bone products; Gelatin; Paste

Glyphics

See also Gems

Gnomes *see* Fairies

Gnomonics *see* Sundials

Gnosticism**Goats**

See also Angora goats; Ungulata

Gobelin tapestry

Goblins *see* Fairies

God

See also Absolute, The; Agnosticism; Atheism; Bible; Causation; Christianity; Creation; Deism; Holy Spirit; Idolatry; Jesus Christ; Metaphysics; Monotheism; Mythology; Natural religion; Pantheism; Polytheism; Providence; Religion; Teleology; Theism; Theocracy; Theology; Trinity

Gold

See also Alchemy; Cyanide process; Gold (as money); Gold dredging; Gold mines and mining; Goldsmithing; Jewelry; Precious metals

Gold (as money)

See also Bimetallism; Coinage; Money

Gold cure**Gold dredging**

See also Gold mines and mining

Gold mines and mining

See also Gold dredging; Hydraulic mining; Prospecting

Gold plate *see* Plate

Golden fleece *see* Argonauts

Goldsmithing

See also Arts and crafts; Gilding; Hall marks; Jewelry; Metal coloring; Plate

Golf**Good Friday**

See also Lent

Refer from Chemistry, Technical; Glass; Industrial arts; Manufactures

Refer from Glass; Pottery

Refer from Choruses and part songs; Music; Songs

Refer from Astronomy; Earth; Geography; Maps

Refer from Costume; Hand

Refer from Chemistry, Technical; Sugar

Refer from Adhesives; Animal products; Bone products; Cement; Chemistry, Technical; Gelatin; Paste

Refer from Art; Carving (art industries); Engraving; Gems

Refer from Philosophy

Refer from Angora goats; Dairying; Domestic animals; Ungulata

Refer from Tapestry

Refer from Atheism; Bible; Christianity; Creation; Deism; Monotheism; Natural religion; Pantheism; Philosophy; Religion; Teleology; Theism; Theodicy (s); Theology; Trinity

Refer from Precious metals

Refer from Bimetallism; Coinage; Gold; Money; Specie (s)

Refer from Alcoholism; Inebriate asylums; Keeley cure (s); Therapeutics

Refer from Dredging; Gold; Gold mines and mining; Hydraulic mining; Placer mining (s)

Refer from Gold; Gold dredging; Hydraulic mining; Mines and mineral resources

Refer from Arts and crafts; Gold; Hall marks; Jewelry; Metal coloring; Metal work; Plate

Refer from Games

Refer from Christian year; Fasts and feasts; Holy week; Lent

Goodness

See also Virtue

Goose *see* Geese

Gorillas

See also Apes

Gospels *see* Bible — New Testament — Gospels

Gothenburg system

See also Dispensary system

Gothic architecture *see* Architecture, Gothic

Gothic language

See also Germanic languages

Goths

See also Barbarian invasions of Rome; Germany — History — To 1517

Gout**Government**

See also Anarchism and anarchists; Aristocracy; Ballot; Bureaucracy; Cabinet system; Charters; Church and state; Citizenship; Civil rights; Civil service; Civilization; Colonies and colonization; Communism; Constitutional history; Constitutional law; Constitutions; Crime and criminals; Democracy; Despotism; Diplomacy; Diplomatic and consular service; Divine right of kings; Economics; Education and state; Elections; Equality; Executive power; Federal government; Feudalism; Finance; Free institutions; Government ownership; Government regulation of industry; Home rule; Immigration and emigration; Impeachment; Imperial federation; Imperialism; Individualism; Law; Legislation; Legislative bodies; Liberalism; Liberty; Local government; Magistrates; Matriarchy; Military government; Monarchy; Municipal government; Nations; Nihilism; Nominations; Nullification; Oaths; Oligarchy; Paternalism; Patriarchy; Patriotism; Petition, Right of; Platforms, Political; Police; Police power; Political conventions; Political corruption; Political ethics; Political offenses; Political parties; Politics; Primaries; Prisons; Privileged classes; Property; Proportional representation; Punishment; Race problems; Railroads and state; Rebellion; Recall; Reciprocity; Referendum; Regency; Religious liberty; Representative government and representation; Republics; Revolutions; Riots; Secession; Serfdom; Slavery; Social contract; Socialism; Society, Primitive; Sociology; Sovereignty; State governments; State rights; Statesmen; Statistics; Suffrage; Taxation; Theocracy; Town meeting; Towns; Treaties; Tribes and tribal system; Tyranny; Utopias; Veto; Village communities; Villages; *also* names of countries and states, subheads Constitution, Government, and Politics, and names of cities, subhead Government and politics

Government banking *see* Banks and banking; Postal savings banks

Refer from Christian life and character; Ethics; Virtue

Refer from Apes; Monkeys; Primates

Refer from Dispensary system; Liquor laws; Liquor traffic

Refer from Germanic languages

Refer from Barbarian invasions of Rome; Germany — History — To 1517; Ostrogoths (s); Teutonic race; Visigoths (s)

Refer from Medicine — Practice

Refer from Administration (s); Aristocracy; Citizenship; Civics (s); Civil government (s); Constitutional law; Constitutions; Democracy; History; Law; Legislation; Monarchy; Political science (s); Politics; Republics; Science; Social science (s); Sociology; Sovereignty; State, The (s); Statesmanship (s)

Government by commission *see* Municipal government — Commission plan
Government buildings *see* Public buildings
Government officials *see* Civil service
Government ownership

See also Government regulation of industry; Municipal ownership; Postal telegraph; Public service corporations; Railroads and state; Socialism

Government publications

See also names of countries, subhead Government publications

Government regulation of industry

See also Corporation law; Corporations; Factory laws; Government ownership; Interstate commerce; Labor laws; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroad commissions; Railroads — Rates; Railroads and state; State rights; Trusts

Governors

Gowrie conspiracy, 1600

See also Scotland — History

Graal *see* Grail

Grace (theology)

See also Justification

Grade crossings *see* Railroads — Crossings

Grading in schools *see* School grading and promotions

Graduated taxation *see* Taxation, Progressive

Graduation *see* Commencements

Graft

See also Bribery; Political corruption

Grafting

See also Fruit culture

Grail

See also Arthurian romances

Grain

See also Barley; Corn; Grain elevators; Oats; Rice; Seeds — Selection and testing; Wheat

Grain elevators

Graining

See also Painting, Mechanical; Stains and staining; Wood finishing

Grammar

See also Etymology; Grammar, English; Prosody; *also* names of languages other than English, e.g. German language — Grammar

Refer from Corporations; Economics; Federal ownership (s); Government; Government regulation of industry; Monopolies; Municipal ownership; National ownership (s); Nationalism (s); Paternalism; Postal telegraph; Public ownership (s); Public service corporations; Railroads — Government ownership (s); Railroads and state; Socialism; State ownership (s)

Refer from Documents (s); Official publications (s); Public documents (s); State publications (s)

Refer from Commerce; Economics; Federal regulation of industry (s); Government; Government ownership; Industry; Municipal ownership; Paternalism; Police power; Public service commissions; Public service corporations; Railroads and state; State regulation of industry (s)

Refer from Biography; U. S. — Biography; Statesmen

Refer from Scotland — History

Refer from Conversion; Justification; Salvation; Theology

Refer from Boss rule; Bribery; Crime and criminals; Political corruption; Political ethics

Refer from Forests and forestry; Fruit culture; Gardening; Plant propagation; Trees

Refer from Arthurian romances; Graal (s); Gréal (s); Holy grail (s); Legends; Sangreal (s)

Refer from Agricultural products; Barley; Breadstuffs (s); Cereals (s); Corn; Feeding and feeding stuffs; Flour and flour mills; Food; Oats; Threshing; Wheat

Refer from Architecture; Elevators, Grain (s); Grain; Warehouses

Refer from Painting, Mechanical; Stains and staining; Wood finishing; Woodwork

Refer from Accidence (s); Language; Syntax (s); Words

Grammar—Continued
—English

Grammar schools

See also Education, Elementary

Gramophone *see* Phonograph

Grand jury *see* Jury

Grand opera *see* Opera

Grange

Grangerism *see* Extra illustration

Granite

See also Building stones; Rocks

Grape

See also Fruit; Wine

Grapes *see* Grape

Graphic arts *see* Art; Drawing; Engraving;
Painting

Graphic statics

See also Bridges; Girders; Mechanical drawing; Roofs; Steel construction; Strains and stresses; Strength of materials

Graphics

See also Geometrical drawing; Graphic statics; Mechanical drawing

Graphite

See also Geology, Economic

Graphology

See also Penmanship; Writing

Graphophone *see* Phonograph

Grass *see* Grasses

Grasses

See also Bamboo; Clover; Feeding and feeding stuffs; Forage plants; Grazing; Hay; Lawns; Pastures and meadows

Grasshoppers *see* Locusts

Grave mounds *see* Mounds and mound builders

Graves *see* Burial; Cemeteries; Mounds and mound builders; Tombs

Gravestones *see* Tombstones

Graveyards *see* Cemeteries

Gravitation

See also Astronomy; Matter; Pendulum; Physics; Potential, Theory of; Specific gravity; Weights and measures

Gray friars *see* Franciscans

Grazing

See also Forage plants; Pastures and meadows

Gréal *see* Grail

Grease *see* Lubrication and lubricants; Oils and fats

Great Lakes

Refer from English grammar (s); English language; English language — Grammar (s); English language — Syntax (s); English syntax (s); Grammar

Refer from Education; Education, Elementary; Public schools; Schools

Refer from Agricultural societies; Commerce; Farmers; Patrons of husbandry (s); Secret societies

Refer from Building stones; Igneous rocks; Stone; Rocks

Refer from Fruit; Grapes (s); Vine (s); Vines (s); Vineyards (s); Viticulture (s); Wine

Refer from Bridges; Building; Girders; Graphics; Mechanical drawing; Mechanics; Roofs; Statics; Steel construction; Strains and stresses; Strength of materials

Refer from Drawing; Geometrical drawing; Mechanical drawing

Refer from Black lead (s); Carbon; Geology, Economic; Plumbago (s)

Refer from Character; Character reading (s); Handwriting (s); Penmanship; Psychology; Writing

Refer from Agrostology (s); Botany, Economic; Feeding and feeding stuffs; Forage plants; Grass (s); Hay; Herbage (s); Lawns; Pastures and meadows

Refer from Astronomy; Centrifugal force; Matter; Pendulum; Physics; Specific gravity; Weights and measures

Refer from Forage plants; Grasses; Live stock; Pastures and meadows; U. S.—Public lands

Refer from Lakes; U. S.—Commerce; Waterways — Canada; Waterways — U. S.

Great schism, 1378-1417, *see* Schism, The
great western, 1378-1417

Greek architecture *see* Architecture, Greek

Greek church

See also Coptic church; Eastern churches

Greek civilization *see* Greece — Civilization;
Hellenism

Greek culture *see* Hellenism

Greek drama

See also Dramatists, Greek; Greek literature;
Theater — Greece

Greek empire *see* Byzantine empire

Greek language [subdivided like German
language]

See also Aryan languages

Greek language (modern)

Greek letter societies *see* Fraternities, College;
Fraternities, High school

Greek literature

See also Authors, Greek; Classical literature;
Greek drama; Greek poetry; Hellenism;
Satire, Greek

Greek literature (modern)

Greek mythology *see* Mythology, Classical

Greek philosophy *see* Philosophy, Greek

Greek poetry

See also Greek drama; Greek literature;
Poets, Greek

Greek satire *see* Satire, Greek

Greenbacks

See also Legal tender; Money — U. S.;
Paper money

Greenhouses

See also Market gardening

Greetings *see* Salutations

Gregorian calendar *see* Calendar

Gregorian chant *see* Chants

Gregorian music *see* Chants

Grey friars *see* Franciscans

Grilles

See also Ironwork; Lattice

Grimm's law

Grinding and polishing

See also Abrasives; Machine shop practice

Grippe *see* Influenza

Grist mills *see* Flour and flour mills

Groceries

Grotesque

See also Caricature and cartoons

Grottoes *see* Caves

Ground water *see* Water, Underground

Group plan for public buildings *see* Municipal
centers

Groups, Theory of

See also Algebra; Crystallography

Refer from Catholic church; Eastern churches;
Holy eastern church (s); Orthodox eastern
church (s); Russian church (s)

Refer from Dramatists, Greek; Greek
literature; Greek poetry; Theater — Greece

Refer from Aryan languages; Classical
languages (s)

Refer from Romaic language (s)

Refer from Authors, Greek; Classical literature;
Greek drama; Greek poetry; Satire,
Greek

Refer from Romaic literature (s)

Refer from Greek literature; Poets, Greek

Refer from Fiat money (s); Legal tender;
Money; Money — U. S.; Paper money

Refer from Agriculture; Architecture; Conservatories (s); Floriculture; Gardening; Hot-
houses (s); Market gardening; Winter garden-
ing (s)

Refer from Architecture; Doors; Fret
cutting (s); House decoration; Ironwork;
Lattice; Windows

Refer from Germanic languages

Refer from Abrasives; Machine shop prac-
tice; Machine tools; Polishing (s)

Refer from Food

Refer from Esthetics

Refer from Algebra; Equations; Functions;
Mathematics; Numbers; Theory of groups (s)

Growth

See also Regeneration (biology)

Guano

See also Fertilizers and manures

Guaranties and sureties

See also Bail; Bailments; Bonds; Commercial law

Guaranty of bank deposits *see* Banks and banking — Guaranty of deposits

Guardians

See also Administrators and executors; Adoption; Domestic relations; Probate law and practice; Trustees

Guelfs and Ghibellines

See also Italy — History — To 1559

Guelphs *see* Guelfs and Ghibellines

Guerillas *see* Guerrillas

Guerrillas

See also U. S. — History — Civil war

Guests

See also Entertaining; Hospitality

Guide-books *see* names of countries and places, e.g. U. S. — Description and travel — Guidebooks

Guidebooks *see* names of countries and places, e.g. U. S. — Description and travel — Guidebooks

Guilds *see* Gilds

Guillotine**Guitar**

See also Stringed instruments

Gulfs *see* Bays and gulfs

Gums and resins

See also Chemistry, Technical; Varnish and varnishing

Gun *see* Guns

Guncotton

See also Celluloid; Cellulose; Explosives; Gunpowder

Gunnery

See also Ammunition; Artillery; Artillery drill and tactics; Ballistics; Explosives; Firearms; Gunpowder; Guns; Ordnance; Projectiles; Rifle practice; Shooting; Target practice

Gunning *see* Hunting; Shooting

Gunpowder

See also Ammunition; Explosives; Guncotton

Gunpowder plot

See also England — History — Stuarts

Guns

See also Ammunition; Artillery; Bayonets; Firearms; Gunnery; Gunpowder; Naval guns; Ordnance; Pistols; Rifles; Shooting; Shotguns

Refer from Age; Biology; Development (s); Physiology

Refer from Fertilizers and manures

Refer from Bail; Bonding companies (s); Bonds; Commercial law; Contracts; Law; Sureties (s)

Refer from Adoption; Domestic relations; Inheritance; Law; Probate law and practice; Trustees; Wards (s); Wills

Refer from Ghibellines (s); Guelphs (s); Italy — History — To 1559

Refer from Guerillas (s); International law; Military art and science; U. S. — History — Civil war; War

Refer from Entertaining; Etiquet; Home economics; Hospitality; Visiting (s)

Refer from Capital punishment

Refer from Musical instruments; Stringed instruments

Refer from Chemistry, Technical; Forest products; Resins (s); Rosin (s)

Refer from Celluloid; Cellulose; Explosives; Gunpowder

Refer from Artillery; Artillery drill and tactics; Ballistics; Firearms; Fortification; Guns; Military art and science; Naval art and science; Naval gunnery (s); Ordnance; Projectiles; Shooting; Target practice

Refer from Ammunition; Chemistry, Technical; Explosives; Firearms; Guncotton; Gunnery; Guns; Ordnance; Powder (s); Smokeless powder (s)

Refer from Catholic church in England; Conspiracies; England — History — Stuarts

Refer from Arms and armor; Cannon (s); Firearms; Gun (s); Gunnery; Hunting; Machine guns (s); Ordnance; Rifles; Shooting

Gutta-percha

See also Rubber

Gymnasiums

See also Gymnastics; Physical education

Gymnastics

See also Acrobats; Athletics; Drills and marches; Dumb-bells; Exercise; Gymnasiums; Indian clubs; Physical education

— **Medical**

See also Mechanotherapy; Physical education; Swedish movement cure

Gynecology *see* Women — Diseases

Gypsies *see* Gipsies

Gypsum

See also Geology, Economic

Gypsy language *see* Romany language

Gypsy moth *see* Gipsy moth

Gyroscope

See also Railroads — Single rail

Habeas corpus

See also Constitutional law; Martial law

Habit

See also Inhibition; Instinct; Left- and right-handedness; Psychology; Subconsciousness

Habitations, Human, *see* Architecture, Domestic; Housing problem

Habitations of animals *see* Animals — Habitations

Habits of animals *see* Animals — Habits and behavior

Hades *see* Future life; Hell

Haematology *see* Blood

Hail

Hair

See also Baldness; Hairdressing

Hair dressing *see* Hairdressing

Hairdressing

See also Costume; Fashion; Toilet

Half-tone process *see* Photo-engraving

Hall marks

See also Goldsmithing; Pewter; Plate; Silverware

Hall of fame

Halloween

Hallucinations *see* Illusions and hallucinations

Hamites

See also Berbers

Hamitic languages

See also African languages; Coptic language; Egyptian language

Hand

See also Ambidexterity; Anatomy; Finger prints; Gloves; Left- and right-handedness; Manicuring; Palmistry

Refer from Chemistry, Technical; Rubber

Refer from Gymnastics; Physical education

Refer from Acrobats; Athletics; Calisthenics (s); Callisthenics (s); Dumb-bells; Exercise; Gymnasiums; Hygiene; Indian clubs; Manly exercise (s); Physical education; Sports; Training; Turning (gymnastics) (s)

Refer from Mechanotherapy; Medical gymnastics (s); Movement cure (s); Physical education; Swedish movement cure; Therapeutic gymnastics (s); Therapeutics

Refer from Fertilizers and manures; Geology, Economic

Refer from Physics; Railroads — Single rail; Rotation

Refer from Arrest; Constitutional law; Law; Martial law

Refer from Conduct of life; Ethics; Inhibition; Instinct; Psychology

Refer from Meteorology; Storms; Water

Refer from Baldness; Beauty, Personal; Color of man; Head; Pathology

Refer from Coiffure (s); Costume; Fashion; Hair; Hair dressing (s); Toilet

Refer from Goldsmithing; Jewelry; Marks, Goldsmiths' (s); Plate; Plate marks (s); Silversmithing; Silverware

Refer from Fame; U. S. — Biography

Refer from All hallow eve (s); Fortune telling; Manners and customs; Superstition

Refer from Berbers; Ethnology; Ethnology — Africa

Refer from African languages; Coptic language; Egyptian language

Refer from Ambidexterity; Anatomy; Beauty, Personal; Fingers (s); Left- and right-handedness

Hand-ball *see* Handball
Hand-railings *see* Railings
Handball

Refer from Ball (s); Games; Hand-ball (s)

Handicraft

See also Arts and crafts; Domestic arts; Industrial arts; Manual training; Occupations

Refer from Arts and crafts; Crafts (s); Domestic arts; Industrial arts; Manual training; Occupations

Handrailings *see* Railings

Handwriting *see* Autographs; Graphology; Penmanship; Writing

Hanging *see* Capital punishment

Hanse towns *see* Hanseatic league

Hanseatic league

See also Germany — History; Middle ages — History; *also* names of towns in the league

Refer from Cities; Commerce; Germany — Commerce; Germany — History; Hanse towns (s); Middle ages — History

Happiness

See also Cheerfulness; Contentment; Hedonism; Joy; Optimism; Pleasure

Refer from Cheerfulness; Contentment; Ethics; Gladness (s); Hedonism; Joy; Pleasure

Harbor defense *see* Coast defense

Harbors

See also Breakwaters; Buoys; Civil engineering; Docks; Dredging; Jetties; Pilots and pilotage; Wharves; *also* names of cities, subhead Harbor

Refer from Civil engineering; Commerce; Docks; Engineering; Hydraulic engineering; Hydrography; Municipal improvement; Navigation; Ports (s); Transportation

Hard times *see* Business depression; Panics

Hardness

Hardware

See also Bolts and nuts; Cutlery; Files and rasps; Knives; Locks and keys; Metal work; Nails and spikes; Screws; Tools

Refer from Matter; Mineralogy

Refer from Building; Iron; Manufactures; Metal work; Metals

Hare *see* Hares

Harem

See also Turkey — Social life and customs

Refer from Polygamy; Seraglio (s); Turkey — Social life and customs; Women

Hares

See also Belgian hares; Coursing; Rabbits; Rodents

Refer from Belgian hares; Coursing; Hare (s); Rabbits; Rodents

Harlequins *see* Clowns

Harmonists

See also Economy, Pa.

Refer from Communism; Harmonites (s); Harmony society (s); Rappists (s); Sects

Harmonites *see* Harmonists

Harmonium *see* Reed organ

Harmony

See also Counterpoint; Melody; Modulation; Music — Theory

Refer from Composition (music); Melody; Modulation; Music; Music — Theory; Thorough bass (s)

Harmony of the Gospels *see* Bible — New Testament — Gospels — Harmonies

Harmony society *see* Harmonists

Harness

See also Checkreins

Refer from Checkreins; Horse; Leather; Manufactures; Saddlery (s)

Harp

See also Stringed instruments

Refer from Musical instruments; Stringed instruments

Harpoons

Harpsichord

See also Musical instruments; Piano

Refer from Fishing; Whaling

Refer from Musical instruments; Piano; Stringed instruments

Harrowing *see* Tillage

Harvesters *see* Harvesting machinery

Harvesting machinery

See also Farm implements and machinery;
Mowing machines

Hasheesh *see* Hashish

Hashish

See also Hemp; Narcotics

Hastings, Battle of

See also England — History — Normans

Hate

See also Emotions

Hats

See also Costume; Headgear; Millinery

Haunted houses *see* Ghosts

Hawking *see* Falconry

Hay

See also Alfalfa; Clover; Feeding and feeding stuffs; Grasses; Pastures and meadows

Hay boxes *see* Fireless cookers

Hay fever

See also Catarrh; Respiratory organs — Diseases

Hay stoves *see* Fireless cookers

Hazing

See also Fraternities, College; Student life

Head

See also Anatomy; Baldness; Brain; Ear; Eye; Face; Hair; Headache; Mouth; Nose; Phrenology; Physiognomy; Skull

Head-gear *see* Headgear

Head-hunters

See also Dyaks; Formosa

Headache**Headgear**

See also Costume; Hats; Helmets; Millinery

Headstones *see* Tombstones

Healing *see* Therapeutics

Healing, Mental, *see* Mental healing

Health *see* Hygiene

Health boards

See also Hygiene, Public

Health insurance *see* Insurance, Health

Health resorts

See also Climate; Mineral waters; Sanatoriums; Summer resorts; Winter resorts

Health thoughts *see* Mental healing

Healths, Drinking of, *see* Drinking customs; Toasts

Hearing

See also Deafness; Ear; Senses and sensation

Heart

See also Auscultation; Blood; Blood vessels; Sphygmograph

Refer from Binders (s); Farm implements and machinery; Harvesters (s); Reapers (s); Reaping machines (s)

Refer from Bhang (s); Hasheesh (s); Hemp; Narcotics

Refer from England — History — Normans

Refer from Emotions

Refer from Costume; Headgear; Manufactures; Millinery

Refer from Agricultural products; Feeding and feeding stuffs; Grasses; Pastures and meadows

Refer from Autumnal catarrh (s); Catarrh; Fever; Medicine — Practice; Respiratory organs — Diseases

Refer from Colleges and universities; Fraternities, College; Secret societies; Student life

Refer from Anatomy; Brain; Skull

Refer from Dyaks; Ethnology; Formosa; Malays

Refer from Head; Medicine — Practice; Nervous system — Diseases

Refer from Costume; Hats; Head-gear (s); Millinery

Refer from Boards of health (s); Hygiene, Public; Public health boards (s)

Refer from Climate; Hygiene; Invalids; Mineral waters; Resorts (s); Sanatoriums; Spas (s); Summer resorts; Watering places (s); Winter resorts

Refer from Acoustics (s); Audition (s); Deafness; Ear; Perception; Senses and sensation; Sound

Refer from Blood; Blood vessels; Chest; Vascular system

Heat

See also Animal heat; Boiling points; Calorimeters and calorimetry; Cold; Combustion; Earth — Temperature; Expansion (physics); Fire; Flame; Heating; Liquefaction of gases; Melting points; Physics; Pyrometers and pyrometry; Radiation; Steam; Sun; Temperature; Thermodynamics; Thermometer

Heat engines

See also Air engines; Gas and oil engines; Steam engines; Thermodynamics

Heathenism *see* Paganism**Heating**

See also Boilers; Car heating, lighting and ventilation; Chimneys; Electric heating; Fireplaces; Fuel; Furnaces; Heat; Hot water heating; Steam heating; Stoves; Ventilation

Heatstroke**Heaven**

See also Angels; Future life

Heavens *see* Astronomy**Hebrew language**

See also Semitic languages; Yiddish language

Hebrew literature

See also Bible — Old Testament; Cabala; Hebrew poetry; Jewish literature; Oriental literature; Talmud; Yiddish literature

Hebrew poetry

See also Bible — Old Testament — Poetical books; Hebrew literature

Hebrews *see* Jews**Hedges**

See also Evergreens; Landscape gardening; Shrubs

Hedonism

See also Egoism; Epicureans; Ethics; Happiness; Pleasure; Selfishness; Utilitarianism

Heights *see* Altitudes**Heirs** *see* Inheritance**Helicopters** *see* Flying machines**Heliography** *see* Color photography**Heliogravure** *see* Photogravure**Helium**

See also Astronomical instruments; Parallax

Heliosat

See also Astronomical instruments

Heliotropism

See also Irritability; Plants — Movements

Heliotype

See also Collotype; Photomechanical processes

Helium

See also Radioactivity

Hell

See also Future life; Future punishment

Refer from Caloric (s); Cold; Combustion; Expansion (physics); Fire; Heating; Meteorology; Physics; Radiation; Steam engines; Temperature; Thermodynamics; Vibration

Refer from Engines; Gas and oil engines; Thermodynamics

Refer from Architecture; Architecture, Domestic; Building; Chimneys; Fire; Fuel; Heat; Home economics; Sanitary engineering; Sanitation, Household; Steam heating; Stoves; Ventilation; Warming (s)

Refer from Medicine — Practice; Sunstroke (s)

Refer from Death; Eschatology; Future life; Paradise (s); Theology

Refer from Jewish language (s); Jews — Language (s); Semitic languages

Refer from Hebrew poetry; Jewish literature; Jews — Literature (s); Oriental literature

Refer from Hebrew literature

Refer from Evergreens; Fences; Landscape gardening; Shrubs; Trees

Refer from Ethics; Happiness; Philosophy; Pleasure; Selfishness

Refer from Astronomical instruments

Refer from Astronomical instruments

Refer from Irritability; Light; Plants — Movements

Refer from Collotype; Photography; Photomechanical processes

Refer from Chemical elements; Gases; Radioactivity

Refer from Death; Eschatology; Future life; Future punishment; Hades (s); Retribution (s); Theology

Hellenism

See also Classicism; Neoplatonism

Helmets

Helminthology *see* Parasites; Worms

Hematology *see* Blood

Hemiplegia *see* Paralysis

Hemiptera

See also Chinch bugs; Cicadas; Insects;
Plant lice; Scale insects

Hemorrhage

See also Bloodletting

Hemp

See also Cordage; Fibers; Hashish; Jute;
Linen; Ramie; Rope

Hen *see* Poultry

Hen houses *see* Poultry houses

Hens *see* Poultry

Heraldic visitations *see* Visitations, Heraldic

Heraldry

See also Arms and armor; Chivalry; Decorations of honor; Devices; Emblems; Flags; Genealogy; Insignia; Knights and knighthood; Mottoes; Peerage; Precedence; Seals (numismatics); Titles of honor and nobility; Visitations, Heraldic

Herbage *see* Grasses

Herbs, Medicinal, *see* Medical botany

Heredity

See also Biology; Breeding; Consanguinity; Defectives; Degeneration; Eugenics; Evolution; Genius; Hybridization; Mendel's law; Natural selection; Physical deterioration; Plant breeding; Prenatal influences; Species; Variation (biology)

Heresy

See also Church history; Inquisition; Liberty of conscience; Martyrs; Persecution

Hermaphroditism

Hermeneutics *see* Bible — Criticism and interpretation

Hermetic art *see* Alchemy; Astrology; Occult sciences

Hermits

See also Asceticism

Heroes

See also Adventure; Courage; Discoveries and explorations; Explorers; Martyrs; Missionaries; Mythology; Saints

Heroines *see* Heroes

Heroism *see* Courage; Heroes

Herpetology *see* Reptiles

Herrnhuters *see* Moravians

Hertzian waves *see* Electric waves

Hessian flies

Hessians in the American revolution *see* U. S. — History — Revolution — German troops

Hexateuch *see* Bible — Old Testament — Hexateuch

Refer from Classicism; Greek culture (s); Greek civilization (s); Greek literature; Humanism

Refer from Arms and armor; Headgear

Refer from Bugs (s); Chinch bugs; Cicadas; Insects; Plant lice; Scale insects

Refer from Bleeding (s); Blood; Pathology; Wounds

Refer from Fibers; Hashish; Linen; Rope; Yarn

Refer from Archaeology; Arms, Coats of (s); Biography; Chivalry; Coats of arms (s); Crests (s); Decorations of honor; Devices; Genealogy; History; Knights and knighthood; Mottoes; Nobility (s); Pedigrees (s); Peerage; Titles of honor and nobility

Refer from Ancestry (s); Atavism (s); Biology; Breeding; Children; Crime and criminals; Degeneration; Descent (s); Environment; Eugenics; Evolution; Inheritance (biology) (s); Man; Natural selection; Parents; Physical deterioration; Physiology; Psychology; Transmission (biology) (s); Variation (biology); Zoology

Refer from Church history; Liberty of conscience; Theology

Refer from Biology; Sex

Refer from Asceticism; Biography; Christian biography; Monks (s); Solitude

Refer from Adventure; Biography; Courage; Heroines (s); Heroism (s); History

Refer from Diptera; Flies; Insects, Injurious and beneficial; Wheat

Hibernation

See also Animals — Habits and behavior

Hides and skins

See also Fur; Leather; Tanning

Hieroglyphics

See also Alphabet; Egyptian language; Inscriptions; Picture writing; Rosetta stone

High buildings

See also Elevators; Steel construction

High license *see* Liquor laws; Liquor traffic

High school athletics *see* School athletics

High school fraternities *see* Fraternities, High school

High schools

See also College entrance requirements; Commencements; Education, Secondary; Fraternities, High school; School athletics

High speed *see* Speed

High treason *see* Treason

Higher criticism *see* Bible — Criticism and interpretation

Higher education *see* Classical education; College education, Value of; Colleges and universities; Professional education; Technical education

Higher thought (new thought) *see* New thought

Highlands of Scotland

See also Clans; Tartans

Highwaymen *see* Brigands and robbers

Highways *see* Roads; Streets

Hindoos *see* Hindus

Hindoostanee language *see* Hindustani language

Hindu literature

See also Oriental literature; Sanskrit literature; Vedas

Hindu philosophy *see* Philosophy, Hindu

Hinduism

See also Brahmanism; Buddhism; Caste; India — Religion; Jains; Philosophy, Hindu; Vedanta; Vedas; Yoga

Hindus

See also Aryans

Hindustani language

See also Indo-Aryan languages

Hippodrome *see* Circus

Hippology *see* Horse

Histochemistry *see* Physiological chemistry

Histology

See also Anatomy; Botany, Structural; Cells; Microscope and microscopy; *also* names of organs and tissues, e.g. Muscles

Historians

See also Archaeologists; Authors

Historic houses

See also Preservation of landmarks, scenery, etc.; *also* names of countries and cities, subhead Historic houses, etc.

Refer from Animals — Habits and behavior

Refer from Animal products; Fur; Leather; Skins (s); Tanning

Refer from Alphabet; Egyptian language; Inscriptions; Language; Picture writing; Writing

Refer from Architecture; Sky-scrapers (s); Skyscrapers (s); Steel construction; Tall buildings (s)

Refer from Education; Education, Secondary; Public schools; Schools; Secondary schools (s)

Refer from Clans; Scotland; Scottish highlands (s)

Refer from Oriental literature; Sanskrit literature

Refer from Brahmanism; Buddhism; India — Religion; Religions; Yoga

Refer from Aryans; Ethnology — India; Hindoos (s); India

Refer from Hindoostanee language (s); Indo-Aryan languages

Refer from Anatomy; Cells; Medicine; Microscope and microscopy; Microscopic anatomy (s); Morphology; Pathology; Tissues (s)

Refer from Archaeologists; Authors; Biography; History

Refer from History; Houses, Historic (s); Preservation of landmarks, scenery, etc.

Historic materialism *see* Economic determinism
Historic trees *see* Trees, Historic

Historical atlases

See also Geography, Historical

Historical dictionaries *see* History — Dictionaries

Historical fiction [for works about historical fiction]

For historical novels *see* subhead History — Fiction (or History — [period subdivision] — Fiction) under names of countries, cities, etc., and subhead Fiction under names of historical events and characters

Historical geography *see* Geography, Historical

Historical societies

See also Antiquarian societies

History

See also Anthropogeography; Anthropology; Archaeology; Autobiography; Battles; Biography; Boundaries; Chronology, Historical; Church history; Civilization; Colonies and colonization; Conspiracies; Constitutional history; Crusades; Diplomacy; Disasters; Discoveries and explorations; Ethnology; Famines; Finance; Floods; Genealogy; Geography, Historical; Government; Heraldry; Heroes; Historians; Historic houses; Historical atlases; Historical fiction; Historical societies; International relations; Kings and rulers; Man; Massacres; Medals; Middle ages — History; Migration of nations; Military history; Naval history; Numismatics; Progress; Race problems; Revolutions; Riots; Sieges; Slavery; Sociology; Statistics; Treaties; Trees, Historic; *also* names of countries, etc., subheads Antiquities, Foreign relations, History, and Politics. For the history of a special subject *see* its name

— **Ancient**

See also Archaeology; Bible — History; Civilization, Ancient; Classical dictionaries; Geography, Ancient; Inscriptions; Numismatics; Seven wonders of the world; *also* names of ancient races and peoples, and names of countries of antiquity

— Comic, *see* Comic histories

— Constitutional, *see* Constitutional history

— **Dictionaries**

— **Essays, addresses, etc.**

— Medieval, *see* Middle ages — History

— Military, *see* Military history

— **Modern**

See also Eastern question; Eighteenth century; Europe — History — 1492–1789; Europe — History — 1789–; Fifteenth century; Holy alliance; Nineteenth century; Reformation; Renaissance; Seventeenth century; Sixteenth century; Twentieth century

— Natural, *see* Natural history

— Naval, *see* Naval history

— **Philosophy**

See also Civilization; Economic determinism

Refer from Atlases; Geography, Historical; History

Refer from Fiction; Fiction, Historical (s); History

Refer from Antiquarian societies; History; Societies

Refer from Annals (s); Archaeology; Biography; Christendom (s); Chronology, Historical; Civilization; Man; Military history; Naval history; Science

Refer from Ancient history (s); Archaeology

Refer from Historical dictionaries (s)

Refer from Eighteenth century; Europe — History — 1492–1789; Europe — History — 1789–; Modern history (s); Nineteenth century; Seventeenth century; Sixteenth century

Refer from Civilization; Philosophy; Philosophy of history (s)

History — Continued

— Sources

See also Archives; Charters; Diplomatic memoirs; Genealogy; Manuscripts

— Universal

Histrionics *see* Acting; Theater

Hittites

Hoaxes *see* Imposture

Hockey

See also Winter sports

Hog *see* Swine

Hogs *see* Swine

Hoisting machinery

See also Conveying machinery; Cranes, derricks, etc.; Electromagnets; Elevators; Mining machinery; Rope

Holidays

See also Anniversaries; Arbor day; Bird day; Christmas; Fasts and feasts; Festivals; Flag day; Fourth of July; Memorial day; New Year; Patriots' day; Thanksgiving day; Vacations

Holiness *see* Sanctification

Holy alliance

See also Europe — History — 1789–; Intervention

Holy days *see* Fasts and feasts

Holy eastern church *see* Greek church

Holy Ghost *see* Holy Spirit

Holy grail *see* Grail

Holy office *see* Inquisition

Holy Roman empire

See also Germany — History; Middle ages — History

Holy Scriptures *see* Bible

Holy See *see* Catholic church; Popes

Holy sepulcher

See also Jerusalem

Holy Spirit

See also Trinity

Holy week

See also Christian year; Easter; Fasts and feasts; Good Friday; Lent

Holy wells

See also Shrines

Home

See also Children; Family; Home economics; Marriage; Mothers; Women

Home decoration *see* House decoration

Home economics

See also Apartment houses; Breakfasts; Carving (meat, etc.); Chemistry, Household; Cleanliness; Cookery; Cooperative house-keeping; Cost of living; Dairying; Diet; Dinners and dining; Domestic arts; Dress-making; Electricity in the home; Entertaining; Family; Fancy work; Fireless cookers; Food; Fuel; Furniture; Gardening; Guests; Heating; Home; House cleaning; House

Refer from Universal history (s)

Refer from Bible — Ethnology

Refer from Bandy (s); Games; Ice hockey (s); Winter sports

Refer from Conveying machinery; Cranes, derricks, etc.; Elevators; Lifts (s); Machinery; Mining machinery

Refer from Anniversaries; Celebrations (s); Christian year; Christmas; Days; Entertainments; Fasts and feasts; Festivals; Legal holidays (s); Manners and customs; National holidays (s); Vacations

Refer from Alliance, Holy (s); Austria — History; Europe — History — 1789–; History, Modern; International relations; Intervention; Prussia — History; Russia — History; Treaties

Refer from Europe — History; German empire (Western empire) (s); Germany — History; Middle ages — History; Western empire (s)

Refer from Jerusalem; Jesus Christ; Tombs

Refer from God; Holy Ghost (s); Spirit (s); Theology; Trinity

Refer from Christian year; Fasts and feasts; Lent

Refer from Miracles; Shrines; Wells

Refer from Children; Ethics; Family; Home economics; Mothers; Women

Refer from Cookery; Domestic arts; Domestic economy (s); Domestic science (s); Economics; Family; Home; Household economics (s); Household management (s); Household science (s); Housekeeping (s); Industrial arts; Kitchen; Women

decoration; Household pests; Kitchen; Kitchen garden (for teaching housekeeping); Laundry; Luncheons; Marketing; Menus; Needlework; Receipts; Sanitation, Household; Servants; Standard of living; Sweeping; Table; Ventilation

Home education

See also Children; Correspondence schools and courses; Self-culture

Home labor

See also Sweating system

Home libraries

Home missions *see* Missions, Home

Home rule

—**Ireland**

See also Fenians (society); Ireland — Government

Home training *see* Children — Management; Home education

Homeopathy

See also Medicine, and references under that subject

Homes (institutions) *see* Almshouses; Asylums; Charities; Homes for the aged; *also* names of cities, subheads Hospitals and asylums and Charities; and special classes of people, e.g. Blind — Asylums and education; Orphans and orphan asylums, Soldiers' homes

Homes for the aged

See also Soldiers' homes

Homestead law

Homicide *see* Murder

Homiletical illustrations *see* Anecdotes, Religious

Homiletics *see* Preaching; Sermons

Homilies *see* Sermons

Homing pigeons *see* Pigeons

Homoeopathy *see* Homeopathy

Honesty

See also Business ethics; Sincerity

Honey

See also Bees

Honor

See also Business ethics; Dueling

Honor system *see* Self-government (in education)

Honorary degrees *see* Degrees, Academic

Honorary titles *see* Titles of honor and nobility

Hoods, Academic, *see* Costume, Academic

Hookworm disease

Hornbooks

Horns

Horology *see* Clocks and watches; Timekeepers

Horoscopes *see* Astrology

Refer from Children; Children — Education (s); Domestic education (s); Education; Education, Elementary; Education of children (s); Family; Home training (s); Parents

Refer from Industry; Labor and laboring classes; Sweating system; Women — Employment

Refer from Libraries; Libraries, Home (s)

Refer from Government; Local government; Self-government (s)

Refer from Fenians (society); Ireland — Government

Refer from Homoeopathy (s); Medicine; Pharmacy; Therapeutics

Refer from Aged poor (s); Asylums; Homes (institutions) (s); Old age; Old age homes (s); Old ladies' homes (s); Poor

Refer from Land tenure — U. S.; U. S. — Public lands

Refer from Business ethics; Conduct of life; Dishonesty (s); Ethics; Sincerity; Truth

Refer from Bees

Refer from Business ethics; Chivalry; Dueling; Ethics

Refer from Medicine — Practice; Parasites

Refer from Literature; Primers

Refer from Antlers (s); Cattle; Cows; Dehorning of cattle (s); Zoology

Horse

See also Barns and stables; Checkreins; Domestic animals; Driving; Harness; Horse racing; Horse training; Horsemanship; Horseshoeing; Live stock; Pack transportation; Ungulata; Veterinary medicine

Horse-breaking *see* Horse training

Horse racing

Horse railroads *see* Street railroads

Horse training

See also Horsemanship

Horseless carriages *see* Automobiles

Horsemanship

See also Coaches and coaching; Driving; Hunting; Polo

Horses *see* Horse

Horseshoeing

See also Blacksmithing

Horticulture *see* Floriculture; Fruit culture; Gardening

Hosiery**Hospitality**

See also Entertaining; Guests

Hospitallers *see* Malta, Knights of

Hospitals

See also Ambulances; Asylums; Charities; Convalescent homes; Dispensaries; First aid in illness and injury; Hospitals, Military; Hospitals, Naval and marine; Inebriate asylums; Insane hospitals; Nurses and nursing; Sanatoriums; *also* names of cities and countries, subhead Hospitals and asylums

—Military

See also Battlefield relief; Red cross; *also* names of wars, subhead Medical and sanitary affairs

—Naval and marine

Hot-air engines *see* Air engines

Hot springs *see* Geysers and hot springs

Hot water heating**Hotels**

See also Apartment houses; Coffeehouses; Inns; Lodging houses; Restaurants

Hothouses *see* Greenhouses

Hottentots

See also Bushmen

Hours of labor

See also Child labor; Daylight saving; Women — Employment; Sweating system

House boats

Refer from Barns and stables; Cavalry; Cavalry drill and tactics; Domestic animals; Driving; Farriery (s); Hippology (s); Horses (s); Live stock; Pacing (s); Pedigrees (s); Race horses (s); Trotting (s); Ungulata; Veterinary medicine

Refer from Book-making (betting) (s); Book-making (betting) (s); Gambling; Horse; Pacing (s); Race horses (s); Racing (s); Sports; Steeplechasing (s); Trotting (s); Turf, The (s)

Refer from Animals — Training; Horse; Horse-breaking (s); Training

Refer from Driving; Equestrianism (s); Horse; Horse training; Locomotion; Riding (s); Sports

Refer from Blacksmithing; Farriery (s); Horse

Refer from Clothing; Costume; Dry goods; Foot; Stockings (s); Textile industry and fabrics; Underwear

Refer from Guests

Refer from Architecture; Asylums; Charities; Charities, Medical; Dispensaries; Hygiene, Public; Infirmary (s); Institutions, Charitable and philanthropic (s); Medicine; Nurses and nursing

Refer from Battlefield relief; Field hospitals (s); Hospitals; Military art and science; Military hospitals (s)

Refer from Hospitals; Marine hospitals (s); Naval hospitals (s)

Refer from Heating; Steam heating; Water heating (s)

Refer from Architecture; Inns; Lodging houses; Restaurants; Taverns (s)

Refer from Ethnology — Africa

Refer from Child labor; Eight-hour day (s); Factory laws; Factory system; Industrial betterment; Labor and laboring classes; Labor laws; Ten-hour day (s); Working-day (s)

Refer from Boats and boating; Houseboats (s); Outdoor life

House cleaning

See also Dust; Sweeping; Vacuum cleaning systems

House decoration

See also Bric-a-brac; Candlesticks; Carpets; Decoration and ornament; Drapery; Fancy work; Fireplaces; Floral decoration; Furniture; Grilles; Lattice; Mantels; Mural painting and decoration; Picture frames; Pictures; Rugs; School decoration; Tapestry; Upholstery; Wall paper; Wood finishing; Woodwork

House drainage *see* Plumbing; Sanitation, Household; Sewerage

House flies *see* Flies

House painting

See also Frescoes; Mural painting and decoration; Painting, Mechanical

House plans *see* Architectural drawing; Architecture, Domestic

House plants *see* Floriculture; Plants, Cultivated; Window gardening

House rent *see* Rent

House sanitation *see* Sanitation, Household

Houseboats *see* House boats

Household arts *see* Domestic arts

Household chemistry *see* Chemistry, Household

Household decoration *see* House decoration

Household economics *see* Home economics

Household expenses *see* Cost of living

Household management *see* Home economics

Household pests

See also Flies; Insects, Injurious and beneficial; Mice; Mosquitoes; Rats

Household sanitation *see* Sanitation, Household

Household science *see* Home economics

Housekeeping *see* Cooperative housekeeping; Home economics

Housemaids *see* Servants

Houses *see* Architecture, Domestic; House decoration

Houses, Historic, *see* Historic houses

Housing problem

See also Apartment houses; Cities — Planning and laying out; Garden cities; Industrial betterment; Lodging houses; Sanitation, Household; Tenement houses

Hucksters *see* Peddlers and peddling

Hudson Bay company

See also Fur trade

Huguenots

See also Camisards; France — Religious history; Reformation — France; St. Bartholomew's day, Massacre of; Waldenses

Human anatomy *see* Anatomy

Human body *see* Anatomy; Anthropometry; Physiology

Refer from Cleaning; Dust; Home economics; Sanitation, Household

Refer from Architecture, Domestic; Art; Carpets; Decoration and ornament; Furniture; Home decoration (s); Home economics; Household decoration (s); Houses (s); Interior decoration (s); Rugs; Upholstery

Refer from Architecture; Architecture, Domestic; Building; Mural painting and decoration; Painting, Mechanical

Refer from Home economics; Insects, Injurious and beneficial; Pests (s)

Refer from Architecture, Domestic; Cities; Cities — Planning and laying out; Dwellings (s); Habitations, Human (s); Hygiene, Public; Industrial betterment; Labor and laboring classes; Laborer's dwellings (s); Municipal improvement; Poor; Social problems; Tenement houses; Workingmen's dwellings (s)

Refer from Canada — Commerce; Fur trade; Trading companies

Refer from Camisards; Church history; France — History — House of Valois; France — Religious history; Persecution; Reformation — France; St. Bartholomew's day, Massacre of; Sects; Waldenses

Human faculties *see* Psychology

Human figure in art *see* Anatomy, Artistic;
Figure drawing; Figure painting; Nude in art

Human race *see* Anthropology; Man

Human sacrifice *see* Sacrifice

Humane societies

See also Animals — Treatment; Charitable societies; Children — Charities, protection, etc.

Humanism

See also Classical education; Hellenism; Renaissance

Humanitarianism (theology) *see* Unitarianism;
also Arianism; Jesus Christ — Divinity; Socinianism; Trinity

Humanities *see* Classical education

Humbug *see* Imposture; Swindlers and swindling

Humidity

See also Dampness in buildings; Dew; Hygrometry; Meteorology

Humor

See also Anecdotes; Burlesques; Caricature and cartoons; Comedy; Comic histories; Epigrams; Fools; Humorists; Irony; Laughter; Limericks; Macaronic verse; Nonsense verse; Parodies; Punning; Recitations and readings, Humorous; Sàtire; Table-talk

—American

See also American literature; Satire, American

—English

See also English literature; Satire, English

Humorists

See also Authors

Humorous recitations *see* Recitations and readings, Humorous

Hundred years' war, 1339-1453

See also Agincourt, Battle of; England — History — Plantagenets; England — History — Lancaster and York; France — History — House of Valois

Hungarian language

See also Ural-Altaic languages

Hungarian literature

Hungarians in the U. S.

Huns

See also Barbarian invasions of Rome

Hunting

See also Bears; Coursing; Deer; Dogs; Elephants; Falconry; Fishing; Foxes; Game; Game birds; Game laws; Game protection; Guns; Lions; Poaching; Shooting; Sports; Tigers; Tracking; Trapping

Hurricanes

See also Cyclones; Storms

Husband and wife *see* Domestic relations;

Husbands; Marriage; Wives

Husbandry *see* Agriculture

Refer from Animals — Treatment; Charitable societies; Children — Charities, protection, etc.; Societies

Refer from Classical education; Culture, Literature; Philosophy; Renaissance

Refer from Air; Dew; Hygiene; Meteorology; Moisture of the air (s)

Refer from Anecdotes; Caricature and cartoons; Comic literature (s); Facetiæ (s); Jests (s); Jokes (s); Laughter; Literature; Poetry; Punning; Satire; Wit and humor (s)

Refer from American humor (s); American literature; American wit and humor (s)

Refer from English humor (s); English literature; English wit and humor (s)

Refer from Authors; Biography; Humor

Refer from Agincourt, Battle of; England — History — Plantagenets; England — History — Lancaster and York; France — History — House of Valois

Refer from Magyar language (s); Ural-Altaic languages

Refer from Magyar literature (s)

Refer from U. S.— Foreign population

Refer from Barbarian invasions of Rome

Refer from Adventure; Animals; Big game (s); Chase, The (s); Country life; Field sports (s); Game; Gunning (s); Horsemanship; Outdoor life; Shooting; Sports; Trapping

Refer from Cyclones; Meteorology; Storms; Winds

Husbands

See also Domestic relations; Family; Fathers; Marriage; Wives

Hussites

Hybridism *see* Hybridization

Hybridization

See also Mendel's law; Plant breeding

Hydraulic cement *see* Cement

Hydraulic engineering

See also Aqueducts; Artesian wells; Boring; Breakwaters; Bridges — Foundations and piers; Caissons; Canals; Cofferdams; Culverts; Dams; Docks; Drainage; Dredging; Embankments; Engineering; Floods; Fluids; Fountains; Harbors; Hydraulic machinery; Hydraulic mining; Hydraulics; Hydrodynamics; Hydro-electric plants; Irrigation; Jetties; Lighthouses; Mining engineering; Pumping stations; Pumps; Reclamation of land; Reservoirs; Rivers; Sea walls; Turbines; Water; Water power; Water supply; Water wheels; Wells; Wharves

Hydraulic machinery

See also Hydraulic engineering; Hydraulic motors; Hydraulic rams; Pumps; Turbines; Water wheels

Hydraulic mining

See also Gold dredging; Gold mines and mining; Mines and mineral resources

Hydraulic motors

See also Hydraulic machinery; Turbines; Water wheels

Hydraulic power *see* Hydraulic machinery; Hydro-electric plants; Water power

Hydraulic rams

See also Hydraulic machinery

Hydraulics

See also Fluids; Hydraulic engineering; Hydraulic machinery; Hydrodynamics; Hydrometer; Hydrostatics; Jets; Liquids; Mechanics; Physics; Rivers; Water; Water power

Hydrodynamics

See also Hydraulic engineering; Hydraulics; Hydrostatics; Jets; Mechanics; Viscosity; Waves

Hydro-electric plants

See also Electric power transmission

Hydrography

See also Charts; Harbors; Inland navigation; Navigation; Ocean; Ocean currents; Rivers; Sounding and soundings; Tides

Hydrokinetics *see* Hydrodynamics

Refer from Domestic relations; Family; Husband and wife (s); Marriage; Men; Wives

Refer from Reformation; Sects

Refer from Biology; Botany; Breeding; Heredity; Hybridism (s); Mendel's law; Plant breeding; Species

Refer from Canals; Civil engineering; Dams; Engineering; Engineering, Hydraulic (s); Fluids; Hydraulic machinery; Hydraulics; Hydrodynamics; Machinery; Mechanical engineering; Rivers; Water; Water power; Water supply

Refer from Hydraulic engineering; Hydraulic motors; Hydraulic power (s); Hydraulic rams; Hydraulics; Machinery; Water power

Refer from Gold mines and mining; Hydraulic engineering; Mines and mineral resources; Mining engineering; Placer mining (s)

Refer from Hydraulic machinery; Motors; Turbines; Water power; Water wheels

Refer from Hydraulic machinery; Rams, Hydraulic (s)

Refer from Flow of water (s); Fluids; Hydraulic engineering; Hydrodynamics; Hydromechanics (s); Hydrostatics; Jets; Mechanics; Physics; Rivers; Water; Water flow (s)

Refer from Dynamics; Fluids; Hydraulic engineering; Hydraulics; Hydrokinetics (s); Hydromechanics (s); Jets; Liquids; Mechanics; Viscosity

Refer from Electric engineering; Electric power transmission; Flumes; Hydraulic engineering; Hydraulic power (s); Power plants; Power plants, Electric; Water power; Water-power electric plants (s)

Refer from Marine surveying (s); Maritime surveying (s); Nautical surveying (s); Navigation; Ocean; Oceanography (s); Physical geography; Rivers; Surveying; Thalassography (s)

Hydrology *see* Water; Water, Underground
Hydromechanics *see* Hydraulics; Hydrodynamics

Hydrometer

Hydropathy *see* Hydrotherapy

Hydrophobia

See also Dogs; Pasteurism

Hydrostatics

See also Capillarity; Compressibility; Fluids; Hydraulics; Hydrometer; Mechanics; Physics; Specific gravity; Water

Hydrotherapy

See also Baths and bathing; Mineral waters

Hygiene

See also Air pollution; Alcohol — Physiological effects; Baths and bathing; Beauty, Personal; Bible — Medicine, hygiene, etc.; Children — Care and hygiene; Cleanliness; Climate; Clothing; Diet; Disinfection and disinfectants; Dress reform; Dust; Exercise; Fatigue; Food; Food adulteration and inspection; Gymnastics; Health resorts; Humidity; Hygiene, Public; Invalids; Longevity; Medical inspection of schools; Medicine; Mental hygiene; Military hygiene; Mind and body; Narcotic habit; Narcotics; Naval hygiene; Nurses and nursing; Occupations — Diseases and hygiene; Open-air schools; Overwork; Pathology; Physical education; Physiology; Rest; Sanitation; School hygiene; Sleep; Stimulants; Temperance; Therapeutics; Tobacco — Physiological effects; Training; Tropics — Diseases and hygiene; Vacations; Ventilation; Voice; Water pollution; Women — Hygiene; Work

— Domestic, *see* Sanitation, Household

— Industrial, *see* Occupations — Diseases and hygiene

— Mental, *see* Mental hygiene

— Military, *see* Military hygiene

— Naval, *see* Naval hygiene

— Public

See also Adulterations; Building laws; Burial; Cemeteries; Consumers' leagues; Contagion and contagious diseases; Cremation; Disinfection and disinfectants; Epidemics; Food adulteration and inspection; Health boards; Hospitals; Housing problem; Immunity; Inoculation; Insects as carriers of contagion; Malaria; Meat inspection; Medical inspection of schools; Military hygiene; Milk supply; Nuisances; Occupations — Diseases and hygiene; Public comfort stations; Quarantine; Refuse and refuse disposal; Sanitary engineering; Sanitation; School hygiene; Sewage; Slaughtering and slaughterhouses; Street cleaning; Tenement houses; Vaccination; Water pollution; Water supply; *also* names of countries and states, subhead Sanitary affairs, and names of

Refer from Areometer (s); Hydraulics; Hydrostatics; Specific gravity

Refer from Dogs; Medicine — Practice; Rabies (s)

Refer from Capillarity; Fluids; Hydraulics; Hydrodynamics; Liquids; Mechanics; Physics; Statics; Water

Refer from Baths and bathing; Hydropathy (s); Kneipp cure (s); Therapeutics; Water cure (s)

Refer from Biology; Food; Health (s); Life; Man; Medicine; Pathology; Physiology; Sanitary science (s); Sanitation; Women — Hygiene

Refer from Health boards; Hygiene; Medicine; Municipal improvement; Public health (s); Quarantine; Sanitary affairs (s); Sanitary engineering; Sanitation; Social problems

Hygiene — Continued

cities, subheads Sanitary affairs and Sewerage

— Tropical, *see* Tropics — Diseases and hygiene

Hygiene of employment *see* Occupations — Diseases and hygiene

Hygrometry

Refer from Air; Humidity; Meteorology; Psychrometer (s)

Hymenoptera

See also Ants; Bees; Insects; Wasps

Hymnology *see* Hymns

Hymns

See also Church music; Religious poetry

Refer from Ants; Bees; Insects; Wasps

Refer from Anthems; Chants; Church music; Devotional exercises; Hymnology (s); Literature; Liturgies; Lyric poetry; Music; Poetry; Psalmody (s); Religion; Religious poetry; Rites and ceremonies; Sacred poetry (s); Songs; Worship

Hyperspace *see* Fourth dimension

Hypnotism

See also Animal magnetism; Mental healing; Mind and body; Psychical research; Somnambulism; Subconsciousness; Suggestion; Suggestive therapeutics

Refer from Animal magnetism; Braidism (s); Clairvoyance; Mental healing; Mental suggestion (s); Mesmerism (s); Mind and body; Mind reading; Psychical research; Psychology; Sleep; Somnambulism; Subconsciousness; Suggestion; Suggestive therapeutics

Hypsometry *see* Altitudes

Hysteria

See also Mental diseases; Nervous system — Diseases

Refer from Medicine — Practice; Mental diseases; Nervous system — Diseases; Psychical research; Psychology; Women — Diseases

Ice

See also Arctic regions; Glaciers; Ice boats; Ice-breaking vessels; Icebergs; Refrigeration and refrigerating machinery; Skating; Water

— **Manufacture**

See also Refrigeration and refrigerating machinery

Refer from Freezing (s); Frost; Glaciers; Meteorology; Physical geography; Refrigeration and refrigerating machinery; Snow; Water

Refer from Artificial ice (s); Ice machinery (s); Ice making (s); Refrigeration and refrigerating machinery

Ice age *see* Glacial period

Ice boats

See also Winter sports

Refer from Boats and boating; Ice; Ice yachts (s); Sports; Winter sports

Ice-breaking vessels

Refer from Ice; Icebreaking vessels (s); Ships

Ice cream *see* Ices

Ice hockey *see* Hockey

Ice machinery *see* Ice — Manufacture; Refrigeration and refrigerating machinery

Ice making *see* Ice — Manufacture

Ice sports *see* Winter sports

Ice yachts *see* Ice boats

Icebergs

See also Arctic regions; Physical geography

Refer from Arctic regions; Glaciers; Ice; Ocean; Physical geography

Icebreaking vessels *see* Ice-breaking vessels

Icelandic language

See also Scandinavian languages

Refer from Germanic languages; Scandinavian languages

Icelandic literature

See also Eddas; Sagas; Scandinavian literature

Refer from Eddas; Norse literature (s); Sagas; Scandinavian literature

Ices

Refer from Confectionery; Desserts; Ice cream (s)

Ichnology *see* Footprints, Fossil

Ichthyology *see* Fish

Iconography *see* Art; Christian art and symbolism; Portraits; Saints in art; Sculpture; Statues

Ideal states *see* Utopias

Idealism

See also Ideals; Realism; Transcendentalism

Idealism in art

See also Naturalism in art; Realism in art; Romanticism

Idealism in literature

See also Naturalism in literature; Realism in literature; Romanticism; Symbolism in literature

Ideals

See also Idealism

Ideas, Association of, *see* Association of ideas

Identification

See also Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints

Identity, Personal, *see* Personality

Idiocy

See also Children, Abnormal and backward; Defectives; Epilepsy; Feeble-minded; Insanity

Idioms

See also Idioms, English; *also* names of languages other than English, e.g. German language — Idioms

— **English**

See also Americanisms; Britishisms

Idiots *see* Idiocy

Idleness

Ido

Idolatry

See also Fetishism; Paganism; Superstition; Worship

Igneous rocks

See also Dikes (geology); Granite; Lava; Rocks

Ignorance *see* Illiteracy

Illegitimacy

See also Infanticide

Illiteracy

See also Education and citizenship; Education and crime

Illuminating gas *see* Gas

Illumination *see* Lighting

Illumination of manuscripts and books

See also Arts and crafts; Initials; Lettering; Missals; Paleography

Refer from Animism; Ideals; Philosophy; Realism

Refer from Art; Esthetics; Naturalism in art; Painting; Realism in art

Refer from Esthetics; Fiction; Literature; Naturalism in literature; Realism in literature

Refer from Aspiration (s); Character; Ethics; Idealism

Refer from Anthropometry; Bertillon system; Crime and criminals; Evidence; Finger prints; Medical jurisprudence

Refer from Brain; Children, Abnormal and backward; Consanguinity; Defectives; Feeble-minded; Fools; Idiots (s); Imbecility (s); Insanity; Medicine — Practice; Mental diseases

Refer from Language

Refer from English idioms (s); English language; English language — Idioms (s); Idioms

Refer from Conduct of life; Indolence (s); Laziness (s); Sloth (s)

Refer from Language, Artificial

Refer from Fetishism; God; Image worship (s); Paganism; Religion; Religions; Worship

Refer from Dikes (geology); Eruptive rocks (s); Geology; Lava; Rocks; Volcanic rocks (s); Volcanoes

Refer from Children; Infanticide; Marriage; Prostitution; Sexual ethics

Refer from Compulsory education; Education; Education and citizenship; Education and crime; Ignorance (s); Immigration and emigration

Refer from Arts and crafts; Books; Decoration and ornament; Illustration of books; Initials; Lettering; Manuscripts; Ornamental alphabets (s); Painting; Paleography

Illusions and hallucinations

See also Apparitions; Conjuring; Ghosts; Insanity; Magic; Mental diseases; Optical illusions; Psychical research

Refer from Apparitions; Delusions (s); Ghosts; Hallucinations (s); Insanity; Mental diseases; Psychical research; Psychology; Visions (s)

Illustration of books

See also Caricature and cartoons; Drawing; Engraving; Extra illustration; Illumination of manuscripts and books; Illustrators; Photo-engraving; Photomechanical processes

Refer from Art; Book illustration (s); Books; Decoration and ornament; Drawing; Engraving

Illustrations (anecdotes) *see* Anecdotes

Illustrators

Image worship *see* Idolatry

Imaginary animals *see* Animal lore; Animals, Mythical

Imaginary islands *see* Geographical myths

Imaginary wars and battles

Refer from Artists; Illustration of books

Imagination

See also Psychology

Refer from Battles; Military art and science; War; Wars, Imaginary (s)

Imbecility *see* Feeble-minded; Idiocy

Imitation

See also Mimicry

Refer from Fancy (s); Intellect; Psychology; Psychology, Educational

Immaculate conception

See also Mary, Virgin

Immersion, Baptismal, *see* Baptism

Immigrants *see* Immigration and emigration

Immigration and emigration

See also Aliens; Anthropogeography; Colonies and colonization; Illiteracy; Migration of nations; Naturalization; *also* names of special nationalities, e.g. Italians in the U. S., Japanese in California; and names of countries and cities, subhead Foreign population

Refer from Colonies and colonization; Emigration (s); Government; Immigrants (s); Labor and laboring classes; Migration of nations; Race problems; Social problems; Sociology

— U. S.

See also Indentured servants; Race problems — U. S.; Redemptioners; U. S. — Foreign population; *also* Japanese in the U. S., and similar headings

Refer from Race problems — U. S.; U. S. — Economic conditions; U. S. — Emigration and immigration (s); U. S. — Immigration (s); U. S. — Social conditions

Immoral literature *see* Literature, Immoral

Immorality *see* Crime and criminals; Ethics; Vice

Immortality *see* Future life

Immunity

See also Antitoxins; Contagion and contagious diseases; Inoculation; Serum therapy; Vaccination

Refer from Antitoxins; Bacteriology; Contagion and contagious diseases; Hygiene, Public; Inoculation; Pathology; Serum therapy; Vaccination

Impeachment

See also Political offenses; Recall

Imperial federation

See also England — Colonies; Imperialism

Refer from Government; Law; Trials

Imperialism

See also Colonies and colonization; Imperial federation; U. S. — Insular possessions

Refer from England — Colonies; Federation, Imperial (s); Government; Imperialism

Refer from Anti-imperialism (s); Caesarism (s); Colonies and colonization; Government; Imperial federation; U. S. — Expansion (s); U. S. — History — War with Spain; U. S. — Insular possessions; U. S. — Territorial expansion (s)

Impersonation *see* Acting; Monologues

Implements, utensils, etc.

See also Bone implements; Farm implements and machinery; Indians—Implements and weapons; Stone implements; Tools

Imports *see* Commerce; Tariff

Imposture

See also Antiques, Forged; Art forgeries; Counterfeits; Forgery; Fraud; Literary forgeries and mystifications; Quacks and quackery; Swindlers and swindling

Impressionism (art)

Impressment

Imprisonment *see* Arrest; Prisons

Inaugurations

Incandescent gas-lighting

See also Gas lighting

Incandescent lamps *see* Electric lamps

Incandescent lighting *see* Electric lighting;

Incandescent gas-lighting

Incandescent mantles *see* Incandescent gas-lighting

Incarnation

See also Jesus Christ

Incas

See also Indians of South America — Peru; Peru — Antiquities; Peru — History

Incense

Income

See also Capital; Finance; Salaries; Wages; Wealth

Income tax

See also Taxation; Taxation, Progressive

Increment, Unearned, *see* Unearned increment

Incrustation *see* Inlay

Incubators

See also Poultry

Incubus *see* Nightmare

Incumbrances *see* Liens; Mortgages

Incunabula

See also Block books; Book rarities; Colophons; Printers' marks; Printing — History

Indemnity

See also Damages

Indentured servants

See also Apprentices; Contract labor; Redemptioners

Independence day *see* Fourth of July

Independent order of Odd Fellows *see* Odd Fellows

Independents (church polity) *see* Congregationalism

Independents (in politics)

Refer from Industrial arts; Tools; Utensils (s)

Refer from Adventurers (s); Counterfeits; Delusions (s); Fraud; Hoaxes (s); Humbug (s); Quacks and quackery

Refer from Art; Esthetics; Painting

Refer from International law; Kidnapping; Maritime law; Naval history; Sailors

Refer from Presidents — U. S.; Rites and ceremonies

Refer from Gas; Gas lighting; Gas mantles (s); Incandescent lighting (s); Incandescent mantles (s); Lighting

Refer from Jesus Christ; Jesus Christ — Birth; Jesus Christ — Incarnation (s); Theology

Refer from Ethnology — Peru; Indians of South America — Peru; Peru — Antiquities; Peru — History

Refer from Odors; Perfumery; Worship

Refer from Economics; Finance; Fortunes (s); Property; Salaries; Wages; Wealth

Refer from Direct taxation (s); Taxation; Taxation, Progressive

Refer from Poultry

Refer from Bibliography; Book rarities; Printing

Refer from Compensation (s); Damages; International law

Refer from Bond servants (s); Contract labor; Immigration and emigration — U. S.; Redemptioners; Servants; Slavery; U. S. — History — Colonial period

Refer from Political parties; Politics

Indeterminate sentence

See also Parole; Prisons; Probation system

Indeterminism *see* Freedom of the will

Indexes

See also Card system in business; Catalogs; Indexing; Periodicals — Indexes; *also* subjects indexed

Indexing

See also Cataloging

India-rubber *see* Rubber

Indian clubs

See also Gymnastics

Indian corn *see* Corn

Indian legends *see* Indians — Folklore; Indians — Legends

Indian mutiny, 1857-1858

Indian reservations *see* Indians — Reservations

Indian trails

See also Oregon trail; Portages; Salt Lake trail; Santa Fe trail

Indian tribes *see* names of separate tribes

Indian wars *see* Indians — Wars

Indians [Indians of America, North America and the U. S. in general]

See also Cliff dwellers and cliff dwellings; Eskimos; Mounds and mound builders; Pueblos; Scalping; Shell money; Wampum; Western states; *also* names of families and tribes of Indians, e.g. Algonquian Indians, Apache Indians, Iroquois Indians, Pueblo Indians

—Amusements, *see* Indians — Games

—Anecdotes

—Antiquities

See also Arrowheads; Indians — Implements and weapons; Indians — Pottery; Kitchen middens; Mounds and mound builders; Pueblos; U. S. — Antiquities

—Art

—Biography

—Burial, *see* Indians — Mortuary customs

—Captivities

—Civilization

—Customs, *see* Indians — Social life and customs

—Dances

See also Ghost dance; Snake dance; Sun dance

—Education

See also Indians — Government relations; *also* names of schools for the Indians

—Ethnology

See also Indians — Origin

—Fiction

—Folklore

See also Indians — Legends

Refer from Crime and criminals; Criminal law; Prisons; Punishment; Sentence, Indeterminate (s)

Refer from Bibliography; Catalogs; Indices (s); Literature

Refer from Bibliography; Cataloging; Indexes

Refer from Gymnastics; Physical education

Refer from India — History; Sepoy rebellion (s)

Refer from Indians — Trails (s); Portages; Roads; Roads — U. S.; Trails (s)

Refer from American aborigines (s); American Indians (s); Amerinds (s); Ethnology; Ethnology — U. S.; North American Indians (s); Race problems — U. S.; Savages; U. S. — Indians (s); Western states

Refer from Anecdotes

Refer from Archaeology; Arrowheads; Indians — Industries; Mounds and mound builders; U. S. — Antiquities

Refer from Art; Art, Primitive

Refer from Biography

Refer from Captivity among the Indians (s); Frontier and pioneer life

Refer from Dancing; Ghost dance; Indians — Religion; Indians — Social life and customs; Snake dance; Sun dance

Refer from Education; Indians — Missions; Indians — Schools (s)

Refer from Ethnology — U. S.; Indians — Origin

Refer from Folklore — Indians (s); Indian legends (s); Indians — Legends; Indians — Mythology (s)

Indians—Continued

—Games

Refer from Games; Indians—Amusements (s); Indians—Social life and customs; Indians—Sports (s)

—Government relations

See also Indians—Land transfers; Indians—Reservations; Indians—Treaties; Indians—Treatment

Refer from Indians—Education; Indians—Land transfers; Indians—Treaties; Indians—Treatment

—History

See also Indians—Wars

—Implements and weapons

See also Bone implements; Stone implements

Refer from Arms and armor; Bone implements; Implements, utensils, etc.; Indians—Antiquities; Indians—Industries; Indians—Weapons (s); Stone implements; Tools; Weapons (s)

—Industries

See also Basketwork; Beadwork; Blankets; Indians—Antiquities; Indians—Implements and weapons; Indians—Pottery

Refer from Basketwork; Beadwork; Blankets; Industrial arts; Industries, Primitive

—Land transfers

See also Indians—Government relations; Indians—Treaties

Refer from Indians—Government relations; Indians—Treaties; U. S.—Public lands

—Languages

See also Algonquian languages; Chinook jargon; Eskimo language; Indians—Names

Refer from Algonquian languages; Language

—Legends

See also Indians—Folklore

Refer from Indian legends (s); Indians—Folklore; Indians—Mythology (s); Legends

—Manners and customs, *see* Indians—Social life and customs

—Medicine

See also Medicine men

Refer from Medicine; Medicine men

—Missions

See also Indians—Education; Jesuits—Missions

Refer from Catholic church—Missions; Indians—Religion; Jesuits—Missions; Missions; Missions, Home

—Mortuary customs

Refer from Funeral rites and ceremonies; Indians—Burial (s); Indians—Social life and customs; Mortuary customs (s)

—Music

Refer from Indians—Songs (s); Music; Music—Indians (s); Music—U. S.; Songs, American

—Mythology, *see* Indians—Folklore; Indians—Legends; Indians—Religion

—Names

Refer from Indians—Languages; Names; Names, Geographical; Names, Personal

—Origin

See also Indians—Ethnology

Refer from Indians—Ethnology

—Pottery

Refer from Indians—Antiquities; Indians—Industries; Pottery

—Religion

See also Fetishism; Flute ceremonies; Indians—Dances; Indians—Missions; Serpent worship; Totems and totemism

Refer from Indians—Mythology (s); Mythology—Indians (s); Religions; Rites and ceremonies

—Reservations

Refer from Indian reservations (s); Indians—Government relations; Reservations for the Indians (s); U. S.—Public lands

—Schools, *see* Indians—Education; *also* names of schools

—Social life and customs

See also Indians—Dances; Indians—Games; Indians—Mortuary customs

Refer from Indians—Customs (s); Indians—Manners and customs (s)

Indians — Continued

— Songs, *see* Indians — Music

— Sports, *see* Indians — Games

— Statistics

— Trails, *see* Indian trails

— Treaties

See also Indians — Government relations; Indians — Land transfers

— Treatment

See also Indians — Government relations

— Wars

See also Black Hawk war; French and Indian war; King Philip's war; King William's war; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History — Revolution — Indian participation

— Weapons, *see* Indians — Implements and weapons

Indians of Mexico

See also Aztecs; Ethnology — Mexico; Mayas; Nagualism; Toltecs

Indians of New York

See also Iroquois Indians

Indians of South America

Indiarubber *see* Rubber

Indic languages *see* Indo-Aryan languages

Indicators for steam engines

See also Steam engines

Indices *see* Indexes

Indigestion *see* Digestion; Dyspepsia

Indigo

Individualism

See also Communism; Economics; Socialism

Individuality

See also Personality

Indo-Aryan languages

See also Aryan languages; Bengali language; Hindustani language; Oriental languages; Romany language; Sanskrit language

Indo-European languages *see* Aryan languages

Indo-Europeans *see* Aryans

Indo-Germanic languages *see* Aryan languages

Indo-Germanic peoples *see* Aryans

Indolence *see* Idleness

Inductance

Induction (logic) *see* Logic

Induction coils

See also Condensers (electricity); Electric currents, Alternating; Electric transformers; Electromagnets; Inductance; X rays

Induction motors *see* Electric motors

Indulgences

See also Absolution; Purgatory

Industrial alcohol *see* Alcohol, Denatured

Industrial arbitration *see* Arbitration and conciliation, Industrial

Refer from Indians — Government relations; Indians — Land transfers

Refer from Indians — Government relations

Refer from Black Hawk war; French and Indian war; Indian wars (s); King Philip's war; King William's war; New England — History; Pequot war; Pontiac's conspiracy; Queen Anne's war; U. S. — History; U. S. — History, Military

Refer from Aztecs; Ethnology — Mexico; Mayas; Toltecs

Refer from Iroquois Indians

Refer from Steam engines

Refer from Agricultural products; Color; Dyes and dyeing

Refer from Communism; Economics; Equality; Government; Socialism; Sociology

Refer from Character; Personality; Philosophy; Psychology

Refer from Aryan languages; Bengali language; Hindustani language; Indic languages (s); Oriental languages; Sanskrit language

Refer from Electric measurement; Electricity; Electrodynamics; Induction coils; Self-induction (s)

Refer from Electric apparatus and appliances; Electric transformers; Electricity; Electromagnets

Refer from Absolution; Catholic church; Church polity; Purgatory

Industrial arts

See also Agriculture; Architecture; Arts and crafts; Blacksmithing; Bookbinding; Brewing; Building; Business; Cabinet work; Canning and preserving; Carpentry; Chair caning; Chemical engineering; Chemistry, Technical; Clay industries; Commerce; Cookery; Domestic arts; Dyes and dyeing; Electric engineering; Engineering; Engraving; Exhibitions; Factories; Fisheries; Floriculture; Foundry work; Furniture; Gardening; Glass manufacture; Handicraft; Home economics; Implements, utensils, etc.; Indians — Industries; Industrial education; Industries, Primitive; Industry; Inventions; Machine shop practice; Machinery; Manual training; Manufactures; Masonry; Mechanical engineering; Mechanics, Applied; Metal work; Metallurgy; Mills and millwork; Occupations, Dangerous; Painting, Mechanical; Patents; Photography; Plumbing; Pottery; Printing; Receipts; Shipbuilding; Tanning; Technical dictionaries; Technical education; Technology; Textile industry and fabrics; Tin-smithing; Tools; Turning; Waste products; Weaving; Woodwork; *also* names of countries, subhead Industries and resources, and names of cities, subhead Industries

Industrial betterment

See also Garden cities; Hours of labor; Housing problem; Industrial education; Insurance, Industrial; Labor laws; Profit sharing; Scientific management

Industrial chemistry *see* Chemical engineering; Chemistry, Technical

Industrial combination *see* Combination, Industrial

Industrial conciliation *see* Arbitration and conciliation, Industrial

Industrial depression *see* Business depression

Industrial diseases *see* Occupations — Diseases and hygiene

Industrial drawing *see* Mechanical drawing

Industrial education

See also Apprentices; Foremen's schools; Manual training; Mechanics' institutes; Technical education; Trade schools; Vocational education

Industrial efficiency *see* Efficiency, Industrial

Industrial exhibitions *see* Exhibitions

Industrial hygiene *see* Occupations — Diseases and hygiene

Industrial insurance *see* Insurance, Industrial

Industrial schools *see* Industrial education; Reformatories

Industries *see* Industrial arts; Industries, Primitive; Industry; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries

Refer from Art; Art industries (s); Arts, Useful (s); Arts and crafts; Chemistry, Technical; Crafts (s); Discoveries (in science) (s); Engineering; Handicraft; Industries (s); Industry; Inventions; Manufactures; Mechanic arts (s); Science; Technology; Trades (s); Useful arts (s)

Refer from Betterment, Industrial (s); Employees' welfare (s); Employers' welfare institutions (s); Housing problem; Labor and capital; Labor and laboring classes; Profit sharing; Social work; Welfare institutions for laborers (s)

Refer from Education; Education, Elementary; Education, Industrial (s); Industrial arts; Industrial betterment; Industrial schools (s); Labor and laboring classes; Manual training; Technical education; Trade schools; Vocational education

Industries, Primitive

See also Archaeology; Civilization, Ancient; Indians — Industries; Pottery; Society, Primitive; Stone implements

Refer from Archaeology; Civilization, Ancient; Ethnology; Industrial arts; Industries (s); Man — Origin and antiquity; Primitive industries (s); Society, Primitive; Stone implements

Industry

See also Economics; Efficiency, Industrial; Factory system; Government regulation of industry; Home labor; Industrial arts; Labor and laboring classes; Machinery in industry

Refer from Civilization; Consumption (economics); Economics; Industrial arts; Industries (s); Labor and capital; Labor and laboring classes; Production (s); Sociology

Inebriate asylums

See also Gold cure

Refer from Alcoholism; Asylums; Charities, Medical; Drunkenness (s); Hospitals; Inebriates (s)

Inebriates *see* Alcoholism; Inebriate asylums; Liquor problem; Temperance

Infallibility

See also Catholic church — Authority; Popes — Infallibility; Vatican council

Refer from Catholic church; Theology; Vatican council

Infancy *see* Infants

Infant baptism *see* Baptism — Infants

Infant feeding *see* Infants — Care and hygiene

Infant salvation

See also Baptism — Infants; Predestination

Refer from Baptism — Infants; Salvation

Infanticide

See also Illegitimacy

Refer from Crime and criminals; Illegitimacy; Medical jurisprudence; Murder; Women — Crime

Infantry

See also Infantry drill and tactics; Military art and science; *also* under country, e.g. U. S. — Army — Infantry. For volunteer regiments in the U. S. *see* under name of state, e.g. New York infantry; *also* United States volunteer infantry, for volunteer regiments recruited at large

Refer from Foot-soldiers (s); Military art and science

Infantry drill and tactics

See also Rifle practice; Tactics; Target practice

Refer from Drill (military); Infantry; Military art and science; Tactics

Infants

See also Children

Refer from Babies (s); Baby (s); Children; Infancy (s)

— Care and hygiene

See also Children — Care and hygiene

Refer from Children — Care and hygiene; Infant feeding (s)

— Diseases, *see* Children — Diseases

Infection and infectious diseases *see* Contagion and contagious diseases

Infidelity *see* Skepticism

Infinite

See also Being; Metaphysics

Refer from Finite (s); Metaphysics; Philosophy

Infinitesimal calculus *see* Calculus

Infirmaries *see* Hospitals

Inflammation

See also Fever; Suppuration

Refer from Pathology; Suppuration

Influenza

See also Cold (disease); Respiratory organs — Diseases

Refer from Cold (disease); Grippe (s); La grippe (s); Medicine — Practice; Respiratory organs — Diseases

Infusoria

See also Protozoa

Refer from Animalcules; Protozoa

~~~~~

**Inheritance**

*See also* Administrators and executors; Entail; Estates, Unclaimed; Guardians; Inheritance and transfer tax; Land tenure; Legacies; Primogeniture; Probate law and practice; Salic law; Survivorship; Trustees; Wills

Inheritance (biology) *see* Heredity

**Inheritance and transfer tax**

*See also* Taxation; Taxation, Progressive

**Inhibition**

*See also* Habit

**Initials**

*See also* Artists' marks; Illumination of manuscripts and books; Lettering; Monograms

Initiative *see* Referendum

**Injectors**

*See also* Boilers

**Injunctions**

Injuries *see* Accidents; Damages; First aid in illness and injury; Torts; Wounds

Injurious insects *see* Insects, Injurious and beneficial

Injurious occupations *see* Occupations, Dangerous

**Ink****Inland navigation**

*See also* Canals; Ferries; Lakes; Pilots and pilotage; Rivers; Steam navigation; Waterways

**Inlay**

*See also* Arts and crafts; Damaskeening; Mosaics

Inlaying *see* Inlay

**Inns**

*See also* Coffeehouses; Hotels

Innuity *see* Eskimos

**Inoculation**

*See also* Immunity; Pasteurism; Serum therapy; Smallpox; Vaccination

Inoculation of soils *see* Soil inoculation

Inorganic chemistry *see* Chemistry, Inorganic

Inquests, Coroners', *see* Coroners

**Inquisition**

*See also* Martyrs; Persecution; Reformation — Spain; Spain — Religious history; Torture

**Insane hospitals**

*See also* names of cities, subhead Hospitals and asylums

**Insanity**

*See also* Brain; Defectives; Degeneration; Eccentricity; Feeble-minded; Genius; Id-

*Refer from* Bequests (s); Heirs (s); Intestate succession (s); Law; Legacies; Primogeniture; Probate law and practice; Property; Succession (s); Wills

*Refer from* Death duties (s); Inheritance; Legacies; Taxation; Taxation, Progressive; Transfer tax (s)

*Refer from* Habit; Mind and body; Nervous system; Psychology, Physiological

*Refer from* Illumination of manuscripts and books; Monograms

*Refer from* Boilers; Feed water; Steam engines; Steam injectors (s)

*Refer from* Actions at law; Constitutional law; Labor laws; Law

*Refer from* Chemistry, Technical; Printing; Stationery; Writing

*Refer from* Canals; Commerce; Hydrography; Lakes; Navigation; Navigation, Inland (s); Rivers; Transportation; Waterways

*Refer from* Arts and crafts; Buhlwork (s); Decoration and ornament; Incrustation (s); Inlaying (s); Intarsia (s); Marquetry (s); Mosaics

*Refer from* Hotels; Taverns (s)

*Refer from* Contagion and contagious diseases; Hygiene, Public; Immunity; Medicine; Serum therapy; Smallpox; Therapeutics; Vaccination

*Refer from* Catholic church; Church discipline; Church history; Fanaticism; Heresy; Holy office (s); Martyrs; Middle ages; Persecution; Reformation — Spain; Spain — Religious history; Spanish inquisition (s); Torture

*Refer from* Asylums; Charities; Charities, Medical; Hospitals; Insanity; Lunatic asylums (s); Psychopathic hospitals (s)

*Refer from* Aberration, Mental (s); Brain; Consanguinity; Defectives; Degeneration;



iocry; Illusions and hallucinations; Insane hospitals; Medical jurisprudence; Mental diseases; Mind and body; Suicide

### **Inscriptions**

*See also* Alphabet; Brasses; Cuneiform writing; Epitaphs; Hieroglyphics; Manuscripts; Obituaries; Paleography; Picture writing; Runes; Seals (numismatics); Writing

### **Insecticides**

*See also* Insects, Injurious and beneficial; Spraying

### **Insectivora**

*See also* Mammals

### **Insectivorous plants**

*See also* Botany; Botany — Physiology

### **Insects**

*See also* Arthropoda; Beetles; Caterpillars; Cocoons; Color of insects; Diptera; Entomologists; Fertilization of plants; Hemiptera; Hymenoptera; Insecticides; Lepidoptera; Neuroptera; Orthoptera; Wings; *also* names of insects

#### **—Aquatic**

#### **—Fossil**

#### **—Injurious and beneficial**

*See also* Agricultural pests; Cotton — Diseases and pests; Fruit — Diseases and pests; Household pests; Insecticides; Insects as carriers of contagion; Parasites; Spraying; Trees — Diseases and pests; *also* names of insects, e.g. Beetles, Bookworms, Chinch bugs, Cicadas, Cutworms, Hessian flies, Locusts, Mosquitoes, Moths, Plant lice, San José scale, Scale insects, Weevils

#### **—U. S.**

### **Insects as carriers of contagion**

*See also* Flies; Mosquitoes; Sleeping sickness; Tsetse flies; Yellow fever

### **Insignia**

*See also* Decorations of honor; Devices; Regalia

Insolvency *see* Bankruptcy

### **Insomnia**

*See also* Narcotics; Sleep

Inspection of factories *see* Factory inspection

Inspection of food *see* Food adulteration and inspection

Inspection of meat *see* Meat inspection

Inspection of steamboats *see* Steamboat inspection

### **Inspiration**

*See also* Bible — Inspiration; Revelation

Dementia (s); Idiocy; Illusions and hallucinations; Intellect; Lunacy (s); Madness (s); Mania (s); Medical jurisprudence; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental diseases; Mind and body; Psychology

*Refer from* Alphabet; Archaeology; Epigraphy (s); Epitaphs; Hieroglyphics; History, Ancient; Literature; Manuscripts; Monuments; Obituaries; Paleography; Writing

*Refer from* Insects; Insects, Injurious and beneficial; Spraying

*Refer from* Mammals

*Refer from* Botany; Botany — Physiology; Carnivorous plants (s); Plants; Plants, Insectivorous (s)

*Refer from* Animals; Arthropoda; Beetles; Bugs (s); Diptera; Entomology (s); Hemiptera; Hymenoptera; Invertebrates; Lepidoptera; Neuroptera; Orthoptera; Zoology

*Refer from* Aquatic insects (s); Fresh-water fauna; Water insects (s)

*Refer from* Fossil insects (s); Invertebrates, Fossil; Paleontology

*Refer from* Agricultural pests; Agriculture; Economic entomology (s); Entomology, Economic (s); Fruit — Diseases and pests; Gardening; Household pests; Injurious insects (s); Insecticides; Parasites; Pests (s); Trees — Diseases and pests; Zoology, Economic

*Refer from* U. S. — Entomology (s); U. S. — Insects (s); Zoology — U. S.

*Refer from* Contagion and contagious diseases; Flies; Hygiene, Public; Insects, Injurious and beneficial; Mosquitoes; Tsetse flies

*Refer from* Badges of honor (s); Decorations of honor; Devices; Emblems; Heraldry; Regalia; Societies

*Refer from* Medicine — Practice; Sleep; Sleeplessness (s)

*Refer from* Revelation; Supernatural; Theology



**Instalment plan****Instinct**

*See also* Animal intelligence; Animals — Habits and behavior; Habit; Orientation; Psychology, Comparative

Institutes, Farmers', *see* Farmers' institutes  
Institutes, Teachers', *see* Teachers' institutes

**Institutional churches**

*See also* Church work

Institutions, Charitable and philanthropic, *see* Almshouses; Asylums; Charities; Hospitals; *also* names of cities, subheads Charities and Hospitals and asylums; and special classes of people, e.g. Deaf and dumb — Asylums and education

Instruction *see* Education; Teaching

**Instrumental music**

*See also* Bands (music); Chamber music; Dance music; Duets, Instrumental; Marches (music); Military music; Music; Musical instruments; Orchestral music; Orchestras; Organ music; Overtures; Piano music; Program music; Sonatas; Symphonies; Violin music

**Instrumentation and orchestration**

*See also* Musical instruments

**Instruments**

*See also* Astronomical instruments; Drawing instruments; Electric apparatus and appliances; Machinery; Mathematical instruments; Meteorological instruments; Musical instruments; Optical instruments; Scientific apparatus and instruments; Surgical instruments; Surveying instruments; Tools

**Insulation**

*See also* Electric cables; Electric resistance; Electric wire and wiring

**Insurance**

*See also* Benefit societies

**—Accident**

*See also* Employers' liability; Insurance, Casualty; Insurance, Industrial

**—Casualty**

—Compulsory, *see* Insurance, State and compulsory

**—Fire**

*See also* Fireproofing

—Fraternal, *see* Benefit societies

**—Health**

*See also* Insurance, State and compulsory

*Refer from* Business; Credit

*Refer from* Animal instinct (s); Animal intelligence; Animals; Animals — Habits and behavior; Habit; Intelligence of animals (s); Psychology; Psychology, Comparative; Reason; Zoology

*Refer from* Christian sociology; Church; Church, Institutional (s); Church work

*Refer from* Music; Musical instruments; Orchestral music; Piano music

*Refer from* Bands (music); Composition (music); Military music; Music; Music — Instruction and study; Musical instruments; Orchestral music; Orchestration (s)

*Refer from* Apparatus (s); Scientific apparatus and instruments

*Refer from* Electric cables; Electric insulation (s); Electric resistance; Electric wire and wiring; Electricity

*Refer from* Appraising; Assurance (s); Commerce; Commercial law; Contracts; Finance; Investments; Law; Probabilities; Property; Sociology; Thrift

*Refer from* Accident insurance (s); Accidents; Employers' liability; Insurance, Industrial; Workingmen's insurance (s)

*Refer from* Casualty insurance (s); Explosions; Floods; Insurance, Accident; Live stock; Storms

*Refer from* Fire insurance (s); Fires

*Refer from* Health insurance (s); Insurance, Sickness (s)





**Insurance** — Continued

— **Industrial**

*See also* Benefit societies; Employers' liability; Insurance, Accident; Insurance, State and compulsory

*Refer from* Benefit societies; Industrial betterment; Industrial insurance (s); Insurance, Accident; Insurance, Life; Insurance, State and compulsory; Insurance, Workingmen's (s); Labor and laboring classes; Thrift; Workingmen's insurance (s)

— **Life**

*See also* Annuities; Benefit societies; Insurance, Industrial; Insurance, State and compulsory

*Refer from* Annuities; Benefit societies; Life insurance (s)

— **Marine**

*See also* Salvage

*Refer from* Marine insurance (s); Maritime law

— **Sickness, see** Insurance, Health

— **State and compulsory**

*See also* Insurance, Industrial; Old age pensions

*Refer from* Compulsory insurance (s); Insurance, Compulsory (s); Insurance, Health; Insurance, Industrial; Insurance, Life; Insurance, Workingmen's (s); Workingmen's insurance (s)

— **Workingmen's, see** Insurance, Industrial; Insurance, State and compulsory

**Intaglios**

*See also* Gems; Seals (numismatics)

*Refer from* Gems

Intarsia *see* Inlay

Integral calculus *see* Calculus

**Intellect**

*See also* Animal intelligence; Belief; Brain; Certainty; Genius; Imagination; Insanity; Judgment; Knowledge; Logic; Memory; Perception; Psychology; Psychology, Comparative; Reason; Senses and sensation; Talent; Thought and thinking  
Intellectual property *see* Copyright; Inventions; Patents

*Refer from* Brain; Intelligence (s); Knowledge; Mind (s); Philosophy; Psychology; Thought and thinking; Understanding (s)

Intelligence *see* Intellect

Intelligence of animals *see* Animal intelligence; Instinct; Psychology, Comparative  
Intelligence offices *see* Employment agencies; Labor exchanges

Intemperance *see* Alcoholism; Liquor problem; Temperance

Intercollegiate athletics *see* College athletics

**Interdict**

*See also* Excommunication

*Refer from* Catholic church; Church discipline; Church polity; Excommunication

**Interest**

*See also* Arithmetic; Banks and banking; Discount; Interest tables; Investments

*Refer from* Arithmetic; Arithmetic, Commercial; Banks and banking; Capital; Commerce; Discount; Economics; Ethics; Finance; Investments; Loans; Money; Negotiable instruments; Profit; Usury (s)

*Refer from* Psychology, Educational

**Interest (psychology)**

*Refer from* Interest; Mathematics — Tables, etc.; Tables, Interest (s)

**Interest tables**

**Interference (light)**

*See also* Electric waves; Light

*Refer from* Light; Optical interference (s)

Interior decoration *see* Church decoration and ornament; Furniture; House decoration

Intermediate state *see* Future life; Purgatory

Interment *see* Burial

Internal combustion engines *see* Gas and oil engines



Internal revenue *see* Internal revenue laws; Stamp duties; Taxation; *also* names of countries, subhead Revenue

**Internal revenue laws**

International arbitration *see* Arbitration, International

International copyright *see* Copyright

International exchange *see* Foreign exchange

International exhibitions *see* Exhibitions

International language *see* Language, Artificial; Language, Universal

**International law**

*See also* Aliens; Allegiance; Arbitration, International; Asylum, Right of; Blockade; Boundaries; Cables, Submarine; Citizenship; Claims; Confiscation; Consuls; Contraband of war; Diplomacy; Diplomatic and consular service; Drago doctrine; Embargo laws; Extritoriality; Extradition; Guerrillas; Impressment; Indemnity; International relations; Intervention; Jurisdiction; Maritime law; Military law; Monroe doctrine; Natural law; Naturalization; Neutrality; Passports; Peace; Pirates; Political offenses; Privateering; Prizes (international law); Recognition (international law); Red cross; Salvage; Search, Right of; Sovereignty; State ethics; Treaties; War

International marriages *see* Marriages, International

International politics *see* International relations

**International relations**

*See also* Ambassadors; Arbitration, International; Balance of power; Consuls; Diplomacy; Diplomatic and consular service; Diplomatic memoirs; Diplomats; Disarmament; Eastern question; Frontiers; Holy alliance; International law; Militarism; Monroe doctrine; Peace; Race problems; Sea power; State ethics; Treaties; Triple alliance, 1883-; War; *also* names of countries, subhead Foreign relations

Internationalism *see* International relations

Interoceanic canals *see* Ship canals

**Interstate commerce**

*See also* Railroads — Rates; Railroads — U. S.; Railroads and state; Restraint of trade; Transportation

Interurban railroads *see* Electric railroads

**Intervention**

*See also* Holy alliance; Monroe doctrine

Interviewing *see* Journalism; Reporting

Intestate succession *see* Inheritance

**Intestines**

*See also* Appendicitis; Digestive system; Viscera

Intolerance *see* Fanaticism; Liberty of conscience; Religious liberty

Intoxicants *see* Alcohol; Liquors; Stimulants

Intoxication *see* Alcoholism; Liquor problem; Temperance

*Refer from* Excise laws (s); Finance; Internal revenue (s); Liquor laws; Taxation; U. S.— Revenue

*Refer from* Arbitration, International; Blockade; Commerce; Diplomacy; Diplomatic and consular service; International relations; Jurisdiction; Law; Law of nations (s); Maritime law; Military law; Ministers of state; Nations, Law of (s); Natural law; Neutrality; Treaties; War

*Refer from* Balance of power; Diplomacy; Diplomatic and consular service; Disarmament; Foreign relations (s); History; International law; International politics (s); Internationalism (s); Ministers of state; Peace; Politics; Race problems; Treaties; War; World politics (s)

*Refer from* Carriers; Commerce; Government regulation of industry; Railroads — Law; Railroads — Rates; Railroads and state; Restraint of trade; U. S.— Commerce

*Refer from* Holy alliance; International law; Monroe doctrine; War

*Refer from* Abdomen; Digestive system; Viscera



**Intuition**

*See also* Psychology

Inundations *see* Floods

Invalid cookery *see* Cookery for the sick

**Invalids**

*See also* Diet; Health resorts; Nurses and nursing

Invasions of Rome, Barbarian, *see* Barbarian invasions of Rome

**Inventions**

*See also* Industrial arts; Inventors; Patents

**Inventors**

*See also* Inventions

**Invertebrates**

*See also* Arthropoda; Brachiopoda; Coelenterata; Crustacea; Echinodermata; Insects; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology

**—Fossil**

*See also* Insects, Fossil; Mollusks, Fossil

**Investments**

*See also* Annuities; Banks and banking; Bonds; Building and loan associations; Insurance; Interest; Loans; Mortgages; Railroads—Finance; Real estate; Real estate business; Securities; Speculation; Stocks; Thrift

Invisible empire *see* Ku-Klux Klan

**Ionization of gases**

*See also* Electric discharges through gases; Ions; Radioactivity

Ionized air *see* Ionization of gases

**Ions**

*See also* Dissociation; Electric discharges through gases; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Solution (chemistry)

**Iranian languages**

*See also* Aryan languages; Oriental languages; Persian language

Iranic languages *see* Iranian languages

Irish ballads *see* Ballads, Irish

**Irish in the U. S.**

*See also* Scotch-Irish in the U. S.

Irish land question *see* Land tenure—Ireland

**Irish language**

*See also* Celtic languages; Gaelic language

**Irish literature (Celtic)**

*See also* Celtic literature; Gaelic literature

**Irish literature (English)**

*See also* Ballads, Irish; English literature; Irish poetry

**Irish poetry**

*See also* Ballads, Irish; Irish literature; Songs, Irish

Irish songs *see* Ballads, Irish; Songs, Irish

**Iron**

*See also* Annealing; Blast furnaces; Cast iron; Corrosion and anti-corrosives; Foun-

*Refer from* Knowledge; Psychology

*Refer from* Hygiene; Medicine; Nurses and nursing; Sick, The (s)

*Refer from* Civilization; Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventors; Machinery; Patents; Property, Intellectual (s); Science

*Refer from* Biography; Discoverers (s); Inventions; Scientists

*Refer from* Arthropoda; Brachiopoda; Coelenterata; Echinodermata; Mollusks; Polyzoa; Protozoa; Sponges; Worms; Zoology

*Refer from* Paleontology

*Refer from* Bonds; Capital; Corporations; Economics; Finance; Interest; Loans; Money; Mortgages; Negotiable instruments; Securities; Speculation; Stocks; Thrift

*Refer from* Air; Atmospheric nucleation; Electric discharges through gases; Electricity; Gases; Ionized air (s); Ions; Radioactivity

*Refer from* Atoms; Chemistry; Chemistry, Physical; Dissociation; Electricity; Electrochemistry; Electrolysis; Electrolytes; Electrons; Ionization of gases; Matter; Solution (chemistry); X rays

*Refer from* Aryan languages; Iranic languages (s); Oriental languages; Persian language

*Refer from* U. S.—Foreign population

*Refer from* Celtic languages; Erse (s); Gaelic language

*Refer from* Celtic literature; Gaelic literature

*Refer from* British literature (s); English literature; Irish poetry

*Refer from* Ballads, Irish; British poetry (s); English poetry; Irish literature

*Refer from* Annealing; Building materials; Cast iron; Metallography; Metals; Steel



dry work; Galvanizing; Hardware; Iron age;  
Iron industry; Iron mines and mining; Iron  
ores; Ironwork; Metallography; Metals;  
Slag; Steel; Tubes; Wrought iron

**Iron age**

*See also* Archaeology

Iron-clad vessels *see* Armored vessels

Iron founding *see* Foundry work

**Iron industry**

*See also* Foundry work; Iron mines and  
mining; Rolling mills; Steel industry; Stoves

**Iron Mask**

**Iron mines and mining**

*See also* Iron ores

**Iron ores**

*See also* Iron mines and mining; Lodestone

Iron trade *see* Iron industry

Iron work *see* Ironwork

Ironclads *see* Armored vessels

**Ironwork**

*See also* Arts and crafts; Blacksmithing;  
Forging; Grilles; Iron industry; Metal  
coloring; Metal work; Railings; Welding;  
Wrought iron

**Irony**

**Iroquois Indians**

*See also* Indians of New York; Sullivan's  
expedition

**Irrigation**

*See also* Alkali lands; Civil engineering;  
Dams; Drainage; Dry farming; Irrigation  
canals; Reclamation of land; Reservoirs;  
Water rights; Windmills

**Irrigation canals**

*See also* Flumes

**Irritability**

*See also* Heliotropism; Plants — Move-  
ments

Irvingites *see* Catholic apostolic church

Isinglass *see* Gelatin; Mica

Islam *see* Mohammedanism

**Islands**

*See also* Corals and coral islands; Physical  
geography

—Imaginary, *see* Geographical myths

**Islands of the Mediterranean**

**Isomerism**

*See also* Stereochemistry

Israelites *see* Jews

Isthmian canal *see* Panama canal

**Italian drama**

*See also* Dramatists, Italian; Italian  
literature; Theater — Italy

**Italian fiction**

*See also* Italian literature

**Italian language** [subdivided like German  
language]

*See also* Romance languages

*Refer from* Archaeology; Iron

*Refer from* Iron; Iron trade (s); Ironwork;  
Manufactures; Rolling mills; Steel industry

*Refer from* France — History — Bourbons;  
Man with the iron mask (s)

*Refer from* Iron; Iron industry; Iron ores;  
Mines and mineral resources

*Refer from* Iron; Iron mines and mining;  
Ore deposits; Ores

*Refer from* Arts and crafts; Blacksmithing;  
Decoration and ornament; Forge work (s);  
Forging; Grilles; Iron; Iron work (s); Metal  
work; Wrought iron; Wrought iron work (s)

*Refer from* Humor; Rhetoric; Satire

*Refer from* Five nations (s); Indians; In-  
dians of New York; Six nations (s)

*Refer from* Agriculture; Civil engineering;  
Dams; Drainage; Engineering; Hydraulic  
engineering; Reclamation of land; Reservoirs;  
Soils; Water supply

*Refer from* Canals; Flumes; Irrigation

*Refer from* Animals — Habits and behavior;  
Animals — Irritability (s); Biology; Helio-  
tropism; Movements of animals (s); Plants —  
Movements

*Refer from* Geography; Physical geography

*Refer from* Mediterranean Sea

*Refer from* Chemistry, Physical; Stereo-  
chemistry

*Refer from* Dramatists, Italian; Italian lit-  
erature; Italian poetry; Theater — Italy

*Refer from* Italian literature

*Refer from* Romance languages





**Italian literature**

*See also* Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

Italian painting *see* Painting, Italian

**Italian poetry**

*See also* Italian drama; Italian literature; Poets, Italian

**Italians in the U. S.**

*See also* Padrone system

**Italy — History****—— To 1559**

*See also* Barbarian invasions of Rome; Guelfs and Ghibellines; Rome — History

**—— 1559–1789**

*See also* Austrian succession, War of

**—— 1789–1815**

*See also* Napoleonic wars

**—— 1815–**

*See also* Carbonari; Triple alliance, 1883–

**Ivory****Jacobins**

*See also* French revolution

**Jacobites**

*See also* England — History — 1714–1837; Nonjurors

Jails *see* Prisons

Jainism *see* Jains

**Jains**

*See also* India — Religion

**Jameson's raid, 1895–1896**

Janissaries *see* Janizaries

**Janizaries**

*See also* Turkey — Army; Turkey — History

**Jansenists**

Japanese ethics *see* Ethics, Japanese

Japanese folklore *see* Folklore — Japan

Japanese in California

Japanese in the U. S.

*See also* Japanese in California

**Japanese language**

*See also* Oriental languages

Japanese legends *see* Legends — Japan

**Japanese literature**

*See also* Oriental literature

**Japanning**

*See also* Varnish and varnishing

**Jarley waxworks****Jealousy**

*See also* Emotions; Love

Jesters *see* Fools

Jests *see* Humor

*Refer from* Authors, Italian; Italian drama; Italian fiction; Italian poetry; Romance literature

*Refer from* Italian literature; Poets, Italian

*Refer from* U. S.— Foreign population

*Refer from* Barbarian invasions of Rome; Guelfs and Ghibellines

*Refer from* Austrian succession, War of

*Refer from* Carbonari

*Refer from* Animal products; Carving (art industries); Elephants; Sculpture

*Refer from* Bréton club (s); French revolution

*Refer from* England — History — Stuarts; England — History — 1714–1837; Scotland — History

*Refer from* Hinduism; India — Religion; Jainism (s)

*Refer from* South African war, 1899–1902; Transvaal

*Refer from* Janissaries (s); Turkey — Army; Turkey — History

*Refer from* Catholic church; Catholic church — History; Church history — Modern; Jesuits

*Refer from* California; Japanese in the U. S.

*Refer from* Race problems — U. S.; U. S.— Foreign population; U. S.— Foreign relations — Japan

*Refer from* Oriental languages

*Refer from* Oriental literature

*Refer from* Lacquer; Varnish and varnishing

*Refer from* Entertainments; Waxworks, Living (s)

*Refer from* Emotions; Love



## Jesuits

*See also* Jansenists

### —Missions

*See also* Catholic church — Missions;  
Indians — Missions

Jesus, Society of, *see* Jesuits

### Jesus Christ

*See also* Antichrist; Apostles; Atonement;  
Bible; Bible — New Testament; Christian-  
ity; Cross; Easter; Holy sepulcher; In-  
carnation; Lord's supper; Mary, Virgin;  
Messiah; Millennium; Miracles; Salvation;  
Second advent; Socinianism; Transubstan-  
tiation; Trinity

—Art, *see* Jesus Christ in art

—Ascension, *see* Jesus Christ — Resurrec-  
tion and ascension

—Atonement, *see* Atonement

—Baptism

—Biography

—Birth

*See also* Christmas; Incarnation; Magi

### —Character

*See also* Jesus Christ — Person and  
offices

—Crucifixion, *see* Jesus Christ — Passion

—Death, *see* Jesus Christ — Passion

### —Divinity

*See also* Arianism; Jesus Christ —  
Messiahship; Socinianism; Trinity; Uni-  
tarianism

### —Genealogy

—Iconography, *see* Jesus Christ in art

—Incarnation, *see* Incarnation

### —Legends

—Life, *see* Jesus Christ — Biography

### —Messiahship

*See also* Messiah

### —Miracles

### —Names

—Nativity, *see* Jesus Christ — Birth

### —Passion

### —Person and offices

*See also* Jesus Christ — Character

—Portraits, *see* Jesus Christ in art

### —Resurrection and ascension

*See also* Easter

—Second advent, *see* Second advent

### —Teaching

*See also* Bible — New Testament —  
Gospels; Parables; Sermon on the mount

### —Temptation

### —Transfiguration

### —Trial

### Jesus Christ in art

*See also* Christian art and symbolism;  
Madonnas

*Refer from* Catholic church; Church history;  
Counter-reformation; Jesus, Society of (s);  
Monasticism; Religious orders; Society of  
Jesus (s)

*Refer from* Catholic church — Missions;  
Indians — Missions; Missions

*Refer from* Atonement; Bible; Bible — New  
Testament; Bible — New Testament — Gos-  
pels; Christ (s); Christianity; Christology (s);  
God; Incarnation; Jews; Lord's supper; Mary,  
Virgin; Messiah; Millennium; Prophecies;  
Religion; Second advent; Theology; Trinity

*Refer from* Baptism

*Refer from* Jesus Christ — Life (s)

*Refer from* Christmas; Jesus Christ — Na-  
tivity (s); Nativity of Christ (s); Virgin  
birth of Christ (s)

*Refer from* Jesus Christ — Person and  
offices

*Refer from* Arianism; Divinity (s); Human-  
itarianism (theology) (s); Trinity; Unitarian-  
ism

*Refer from* Legends

*Refer from* Jesus Christ — Divinity; Mes-  
siah

*Refer from* Miracles

*Refer from* Crucifixion; Jesus Christ —  
Crucifixion (s); Jesus Christ — Death (s)

*Refer from* Jesus Christ — Character

*Refer from* Ascension of Jesus Christ (s);  
Easter; Jesus Christ — Ascension (s); Res-  
urrection

*Refer from* Bible — New Testament —  
Gospels; Parables

*Refer from* Temptation

*Refer from* Transfiguration of Jesus Christ (s)

*Refer from* Bible — Pictorial illustrations;  
Christian art and symbolism; Jesus Christ —



**Jets**

*See also* Hydraulics; Hydrodynamics

**Jetties**

*See also* Breakwaters

**Jewelry**

*See also* Arts and crafts; Beads; Bracelets; Brooches; Cameos; Gems; Goldsmithing; Hall marks; Pearls; Plate; Precious stones; Rings; Silversmithing

Jewish ethics *see* Ethics, Jewish

Jewish language *see* Hebrew language; Yiddish language

**Jewish literature**

*See also* Bible; Cabala; Hebrew literature; Talmud; Yiddish literature

Jewries *see* Ghettos

**Jews**

*See also* Anglo-Israelism; Bible; Circumcision; Essenes; Ghettos; Jesus Christ; Messiah; Palestine; Passover; Patriarchs; Prophets; Sabbath, Jewish; Semitic race; Zionism

—**Antiquities**

*See also* Bible — Antiquities

—**Biography**

—**Charities**

—**Civilization**

—Customs, *see* Jews'—Social life and customs

—**Education**

—Ethics, *see* Ethics, Jewish

—**Ethnology**

*See also* Bible — Ethnology

—**History**

*See also* Bible — History

—Language, *see* Hebrew language; Yiddish language

—**Law**

*See also* Mosaic law

—Literature, *see* Hebrew literature; Jewish literature; Yiddish literature

—**Liturgy and ritual**

—**Lost tribes**

*See also* Anglo-Israelism

—Music, *see* Music — Jews

—**Persecution**

—**Political and social conditions**

*See also* Jews — Persecution; Jews in Russia; Jews in the U. S.; Zionism

—**Religion**

*See also* Bible — Old Testament; Cabala; Circumcision; Essenes; Jews — Liturgy and ritual; Messiah; Mosaic law; Passover; Sabbath, Jewish; Talmud

—Ritual, *see* Jews — Liturgy and ritual

—Social conditions, *see* Jews — Political and social conditions

Art (s); Jesus Christ — Iconography (s); Jesus Christ — Portraits (s)

*Refer from* Fluids; Hydraulics; Hydrodynamics; Liquids

*Refer from* Breakwaters; Harbors; Hydraulic engineering; Reclamation of land

*Refer from* Arts and crafts; Bracelets; Brooches; Costume; Decoration and ornament; Gems; Gold; Goldsmithing; Metal work; Precious stones; Rings; Silversmithing

*Refer from* Hebrew literature; Jews — Literature (s)

*Refer from* Bible; Church history; Ghettos; Hebrews (s); Israelites (s); Palestine; Race problems; Semitic race; Zionism

*Refer from* Bible — Antiquities

*Refer from* Charities

*Refer from* Bible — Ethnology

*Refer from* Bible — History

*Refer from* Mosaic law

*Refer from* Jews — Religion; Jews — Ritual (s)

*Refer from* Anglo-Israelism; Bible — Ethnology; Lost tribes of Israel (s); Ten tribes of Israel (s)

*Refer from* Jews — Political and social conditions; Persecution

*Refer from* Anti-Semitism (s); Jews — Social conditions (s)

*Refer from* Circumcision; Judaism (s); Passover; Religions



**Jews—Continued**

**—Social life and customs**

*See also* Ethics, Jewish

**Jews in Russia**

**Jews in the U. S.**

**Jiu-jitsu**

*See also* Wrestling

**Joinery *see* Carpentry**

**Joint authorship *see* Collaboration**

**Joint standard *see* Bimetallism**

**Joint-stock companies**

*See also* Corporations; Partnership;  
Stocks

**Joints**

*See also* Anatomy; Dislocations

**Jokes *see* Humor**

**Journalism**

*See also* Amateur journalism; Authorship;  
Caricature and cartoons; Editorials; Libel  
and slander; Liberty of the press; News-  
papers; Periodicals; Publicity; Reporting;  
Students' periodicals; War correspondence

**Journals (machinery) *see* Bearings (machinery)**

**Journeys *see* Voyages and travels; *also* names  
of countries, subhead Description and travel**

**Joy**

*See also* Emotions; Happiness; Pleasure

**Jubilee singers**

**Judaeo-German *see* Yiddish language.**

**Judaism *see* Jews — Religion**

**Judeo-German *see* Yiddish language**

**Judges**

*See also* Chancellors, Lord; Chief justices;  
Justices of the peace; Magistrates

**Judgment**

*See also* Common sense; Psychology;  
Reason

**Judgment day**

*See also* Eschatology; Future life; Second  
advent

**Judiciary *see* Courts; Judges**

**Juggling *see* Conjuring**

**July fourth *see* Fourth of July**

**Jurassic period *see* Geology, Stratigraphic —**

Jurassic; Paleontology — Jurassic

**Jurisdiction**

*See also* Constitutional law; Courts;  
Equity; International law

**Jurisprudence *see* Law**

**Jurisprudence, Medical, *see* Medical juris-  
prudence**

**Jurists *see* Lawyers**

**Jury**

*See also* Constitutional law; Trials

**Justice**

*See also* Equity

*Refer from* Jews — Customs (s)

*Refer from* Jews — Political and social  
conditions

*Refer from* Jews — Political and social  
conditions

*Refer from* Athletics; Physical education;  
Sports; Wrestling

*Refer from* Business; Commercial law; Cor-  
porations; Partnership; Stock companies (s);  
Stocks

*Refer from* Anatomy; Articulations (s);  
Bones; Dislocations

*Refer from* Authorship; Editorials; Inter-  
viewing (s); Liberty of the press; Literature;  
Newspaper work (s); Newspapers; Periodicals;  
Press (s); Professions; Reporting; Writing  
for the press (s); Yellow journalism (s)

*Refer from* Emotions; Happiness; Pleasure

*Refer from* Fisk university; Negro songs

*Refer from* Biography; Chief justices;  
Courts; Judiciary (s); Justices (s); Law;  
Lawyers; Magistrates

*Refer from* Intellect; Knowledge; Psychology;  
Reason

*Refer from* Day of judgment (s); Escha-  
tology; Future life; Last judgment (s); Second  
advent; Theology

*Refer from* Constitutional law; Courts;  
International law; Law; Probate law and  
practice

*Refer from* Constitutional law; Courts;  
Criminal law; Grand jury (s); Law; Trial by  
jury (s); Trials

*Refer from* Conduct of life; Equity; Ethics;  
Law





Justices *see* Chief justices; Judges; Justices of the peace

**Justices of the peace**

**Justification**

*See also* Faith; Grace (theology)

**Jute**

*See also* Fibers

**Juvenile courts**

*See also* Juvenile delinquency; Probation system

**Juvenile delinquency**

*See also* Children, Abnormal and backward; Defectives; Juvenile courts; Parental schools; Reformatories; Truancy; Truant schools

Juvenile literature *see* Children's literature

Juvenile offenders *see* Juvenile delinquency

Juvenile reformatories *see* Reformatories

Kabala *see* Cabala

Kabbala *see* Cabala

Kaffirs *see* Kafirs

**Kafirs**

*See also* Africa, South

Kaki *see* Khaki

**Kaleidoscope**

Kalifs *see* Caliphs

**Kansas-Nebraska bill**

Kantianism *see* Critical philosophy

**Karens**

*See also* Burma

Kartels (economics) *see* Combination, Industrial; Trusts

**Karyokinesis**

Katabolism *see* Metabolism

Kathode rays *see* Cathode rays

Kayans *see* Dyaks

Keeley cure *see* Gold cure

Keltic languages *see* Celtic languages

Keltic literature *see* Celtic literature

Kelts *see* Celts

**Kentucky and Virginia resolutions, 1798**

Kentucky resolutions, 1798, *see* Kentucky and Virginia resolutions, 1798

Keramics *see* Pottery

Kerosene *see* Petroleum

Kerosene engines *see* Gas and oil engines

**Keswick movement**

Keys *see* Locks and keys

**Khaki**

Khalifs *see* Caliphs

**Kidnapping**

*See also* Brigands and robbers; Impressment; Slave trade

*Refer from* Judges; Justices (s); Law; Magistrates

*Refer from* Faith; Grace (theology); Salvation; Theology

*Refer from* Fibers; Hemp

*Refer from* Children — Law; Children's courts (s); Courts; Criminal law; Juvenile delinquency; Probation system; Reformatories

*Refer from* Boys; Children; Children — Law; Crime and criminals; Defectives; Delinquent children (s); Juvenile courts; Juvenile offenders (s); Social problems

*Refer from* Africa, South; Caffres (s); Ethnology — Africa, South; Kafirs (s)

*Refer from* Optical instruments

*Refer from* Kansas — History; Missouri compromise; Nebraska — History; Slavery in the U. S.

*Refer from* Burma

*Refer from* Biology; Caryokinesis (s); Cells; Chromosomes (s); Cytokinesis (s); Mitosis (s)

*Refer from* Alien and sedition laws, 1798; Kentucky — History; Kentucky resolutions(s); Nullification; State rights; Virginia — History; Virginia resolutions (s)

*Refer from* Revivals

*Refer from* Cotton; Dyes and dyeing; Kaki (s); Textile industry and fabrics; Wool

*Refer from* Crime and criminals; Slave trade



**Kidneys**

*See also* Urinary organs

**Kindergarten**

*See also* Cardboard construction; Child study; Children; Finger plays; Nature study; Object teaching; Paper work; Play; Story telling

—**Games and songs**

—**Stories**

**Kindness**

Kindness to animals *see* Animals — Treatment  
**Kinematics**

*See also* Dynamics; Force and energy; Mechanical movements; Mechanics; Motion; Velocity

Kinematograph *see* Moving pictures

Kinetic theory of gases *see* Gases — Kinetic theory

Kinetics *see* Dynamics; Motion

Kinetograph *see* Moving pictures

Kinetoscope *see* Moving pictures

**King Philip's war, 1675-1676**

*See also* Indians — Wars; New England — History; U. S. — History — Colonial period

**King William's war, 1689-1697**

*See also* Indians — Wars; U. S. — History — Colonial period

**Kingdom of God****Kings and rulers**

*See also* Caliphs; Courts and courtiers; Divine right of kings; Doges; Emperors; Monarchy; Popes; Presidents; Princes and princesses; Queens and empresses; Royal descent; Families of

Kingship *see* Monarchy

Kinship *see* Consanguinity; Family

**Kissing****Kitchen**

*See also* Cookery; Home economics

**Kitchen garden (for teaching housekeeping)**

Kitchen gardening (vegetables) *see* Gardening

**Kitchen middens**

*See also* Mounds and mound builders

**Kites**

Kneipp cure *see* Hydrotherapy

Knife *see* Knives

Knight-errantry *see* Chivalry; Knights and knighthood

Knightage *see* Peerage

Knighthood *see* Knights and knighthood

**Knights and knighthood**

*See also* Chivalry; Feudalism; Heraldry; Peerage; *also* orders of knighthood, e.g. Garter, Order of the; Malta, Knights of; Templars; Teutonic knights

Knights hospitallers *see* Malta, Knights of

Knights of Malta *see* Malta, Knights of

Knights of Rhodes *see* Malta, Knights of

*Refer from* Abdomen; Urinary organs; Viscera

*Refer from* Child study; Children; Children — Education (s); Education; Education, Elementary; Education of children (s); Elementary education (s); Froebel system of education (s); Gifts (kindergarten) (s); Object teaching; Schools; Teaching

*Refer from* Children's songs; Games; Play; School music; Songs

*Refer from* Children's literature; Stories (s)

*Refer from* Affection (s); Charity; Conduct of life; Ethics

*Refer from* Cinematics (s); Dynamics; Machinery; Mechanical movements; Mechanics; Motion; Physics; Velocity

*Refer from* Indians — Wars; New England — History; U. S. — History — Colonial period

*Refer from* England — History — Stuarts; Indians — Wars; New York (state) — History; U. S. — History — Colonial period

*Refer from* Theology

*Refer from* Biography; Courts and courtiers; Despotism; Emperors; History; Magistrates; Monarchs (s); Monarchy; Royalty (s); Rulers (s); Sovereigns (s)

*Refer from* Manners and customs

*Refer from* Cookery; Home economics

*Refer from* Home economics

*Refer from* Archaeology; Indians — Antiquities; Mounds and mound builders; Shell mounds (s)

*Refer from* Aeronautics; Amusements; Sports

*Refer from* Chivalry; Feudalism; Heraldry; Knight-errantry (s); Knighthood (s); Orders of knighthood (s); Peerage



Knights of St. John of Jerusalem *see* Malta, Knights of

Knights of the cross *see* Teutonic knights

Knights of the red cross *see* Freemasons

Knights templars (masonic) *see* Freemasons — Templars

Knights templars (military order) *see* Templars

### **Knitting**

*See also* Fancy work

### **Knives**

*See also* Cutlery

Knotting and splicing *see* Knots and splices

### **Knots and splices**

### **Know-nothing party**

*See also* U. S. — History — 1815-1861

### **Knowledge**

*See also* Apperception; Belief; Education; Experience; Intellect; Intuition; Judgment; Metaphysics; Perception; Philosophy; Psychology; Reality; Science; Truth

Knownothing party *see* Know-nothing party

Koomis *see* Kumiss

### **Koran**

*See also* Mohammedanism

Koumys *see* Kumiss

### **Ku-Klux Klan**

*See also* Reconstruction

### **Kumiss**

Kuran *see* Koran

Kyanizing *see* Wood — Preservation

Kymric language *see* Welsh language

Kymric literature *see* Welsh literature

### **Labadists**

### **Labor and capital**

*See also* Arbitration and conciliation, Industrial; Boycott; Capital; Combination, Industrial; Cooperation; Employers' associations; Employers' liability; Industrial betterment; Industry; Labor and laboring classes; Labor unions; Profit sharing; Strikes and lockouts; Wages

### **Labor and laboring classes**

*See also* Age limit of employment; Apprentices; Arbitration and conciliation, Industrial; Benefit societies; Child labor; Communism; Consumers' leagues; Contract labor; Convict labor; Coolies; Cooperation; Cost of living; Economics; Efficiency, Industrial; Employers' liability; Employment agencies; Factory system; Farm colonies; Farm labor; Guilds; Home labor; Hours of labor; Housing problem; Immigration and emigration; Industrial betterment; Industrial education; Industry; Insurance, Industrial; Labor and capital; Labor exchanges; Labor laws; Labor unions; Leisure class; Machinery in industry; Mechanics' institutes; Miners; Occupations; Old age

*Refer from* Fancy work; Needlework

*Refer from* Cutlery; Hardware; Knife (s)

*Refer from* Cordage; Knotting and splicing (s); Navigation; Rope; Splicing (s)

*Refer from* American party (s); Knownothing party (s); Political parties; U. S. — History — 1815-1861; U. S. — Politics

*Refer from* Apperception; Consciousness; Education; Epistemology (s); Intellect; Learning (s); Metaphysics; Philosophy; Psychology

*Refer from* Alcoran (s); Alkoran (s); Kuran (s); Mohammedanism; Quran (s); Sacred books

*Refer from* Invisible empire (s); Reconstruction; Secret societies; Southern states; White league (s)

*Refer from* Koomis (s); Koumys (s); Liquors; Milk

*Refer from* Sects

*Refer from* Arbitration and conciliation, Industrial; Capital; Capital and labor (s); Economics; Labor and laboring classes; Profit sharing

*Refer from* Economics; Industry; Labor and capital; Labor unions; Laborers (s); Manufactures; People; Poor; Profit sharing; Social problems; Sociology; Strikes and lockouts; Wages; Wealth; Work; Working classes (s)



**Labor and laboring classes**—Continued  
pensions; Open and closed shop; Padrone  
system; Peasantry; Peonage; Poor; Profit  
sharing; Railroads—Employees; Scientific  
management; Servants; Slavery; Socialism;  
Sociology; Standard of living; Strikes and  
lockouts; Sweating system; Unemployed;  
Villeinage; Wages; Women—Employment;  
Work; Workingmen's clubs; *also* names of  
cities, subhead Labor and laboring classes

—U. S.

*See also* U. S.—Social conditions

**Labor and machinery** *see* Machinery in industry  
**Labor colonies** *see* Farm colonies; Penal colo-  
nies

**Labor exchanges**

*See also* Employment agencies; Unem-  
ployed

**Labor laws**

*See also* Blacklisting; Boycott; Employers'  
liability; Factory laws; Hours of labor;  
Injunctions; Mining laws

**Labor legislation** *see* Labor laws

**Labor organizations** *see* Gilds; Labor unions

**Labor unions**

*See also* Arbitration and conciliation,  
Industrial; Benefit societies; Blacklisting;  
Boycott; Combination, Industrial; Coopera-  
tion; Employers' associations; Gilds; Labor  
and laboring classes; Open and closed shop;  
Restraint of trade; Strikes and lockouts;  
Trade agreements; Wages

**Laboratories**

*See also* Biological laboratories

**Laborers** *see* Labor and laboring classes

**Laborers' dwellings** *see* Housing problem

**Lace**

*See also* Needlework

**Laconics** *see* Maxims

**Lacquer**

*See also* Japanning; Varnish and varnish  
ing

**Lacrosse**

**Ladies** *see* Etiquet; Women

**La grippe** *see* Influenza

**Lake District, Eng.**

*See also* Cumberland, Eng.; Lake poets;  
Lancashire, Eng.; Westmoreland, Eng.

**Lake dwellers and lake dwellings**

*See also* Archaeology

**Lake poets**

*See also* English poetry; Lake District,  
Eng.

*Refer from* U. S.—Economic conditions;  
U. S.—Labor and laboring classes (s); U. S.  
—Social conditions

*Refer from* Arbitration and conciliation,  
Industrial; Employment agencies; Intelli-  
gence offices (s); Labor and laboring classes;  
Unemployed

*Refer from* Children—Law; Employers'  
liability; Factory laws; Government regulation  
of industry; Industrial betterment; Labor and  
laboring classes; Labor legislation (s); Law

*Refer from* Associations (s); Benefit societies;  
Boycott; Collective bargaining (s); Combina-  
tion, Industrial; Commerce; Cooperation;  
Economics; Gilds; Labor and capital; Labor  
and laboring classes; Labor organizations (s);  
Open and closed shop; Organized labor (s);  
Restraint of trade; Societies; Strikes and  
lockouts; Trade unions (s); Trades combina-  
tion (s); Unions, Labor (s); Wages; Work-  
ingmen's associations (s)

*Refer from* Research; Scientific research

*Refer from* Arts and crafts; Domestic arts;  
Fancy work; Manufactures; Needlework;  
Weaving

*Refer from* Arts and crafts; Varnish and  
varnishing; Wood finishing

*Refer from* Games

*Refer from* Cumberland, Eng.; England—  
Description and travel; Lake poets; Lakes;  
Lancashire, Eng.; Westmoreland, Eng.

*Refer from* Anthropology; Archaeology;  
Architecture, Ancient; Ethnology; Lakes;  
Man—Origin and antiquity

*Refer from* English poetry; Lake District,  
Eng.; Lake school (s); Lakists (s); Poets,  
English





**Lake school** *see* Lake poets

**Lakes**

*See also* Great Lakes; Inland navigation; Lake District, Eng.; Lake dwellers and lake dwellings; Physical geography; Ponds

**Lakists** *see* Lake poets

**Lamaism**

*See also* Buddhism; Tibet

**Lamarckism** *see* Evolution; Lamarck

**Lamellibranchiata** *see* Bivalves

**Lampoons** *see* Satire

**Lamps**

*See also* Electric lamps; Safety lamps

**Land**

*See also* Agriculture; Clearing of land; Deeds; Easements; Eminent domain; Farm colonies; Farms; Land grants; Land nationalization; Land tenure; Land titles; Landlord and tenant; Parks; Public lands; Real estate; Reclamation of land; Rent; School lands; Single tax; Surveying; Taxation; Unearned increment

**Land banks**

*See also* Agricultural credit; Banks and banking

**Land clearing** *see* Clearing of land

**Land credit** *see* Agricultural credit

**Land drainage** *see* Drainage

**Land grants**

*See also* School lands; *also* names of countries, subhead Public lands

**Land nationalization**

*See also* Communism; Land tenure; Single tax; Socialism

**Land surveying** *see* Surveying

**Land tenure**

*See also* Absenteeism; Commons; Eminent domain; Feudalism; Land nationalization; Land titles; Landlord and tenant; Manors; Mark (land); Mortmain; Real estate; Rent; Riparian rights; School lands; Scutage; Single tax; Taxation; Unearned increment; Village communities; Villeinage

**—Ireland**

*See also* Absenteeism

**—U. S.**

*See also* Homestead law; U. S.—Public lands

**Land titles**

*See also* Conveyancing; Deeds; Mortgages; Real estate; Sale; Torrens system

**Land transfer** *see* Conveyancing

**Land yachts**

**Landlord and tenant**

*See also* Absenteeism; Apartment houses; Eviction; Land; Rent; Tenement houses

**Landmarks, Preservation of,** *see* Preservation of landmarks, scenery, etc.

**Landscape**

*See also* Picturesque; Preservation of landmarks, scenery, etc.

**Landscape gardening**

*See also* Cemeteries; Evergreens; Forests and forestry; Garden ornaments and furni-

*Refer from* Inland navigation; Physical geography; Ponds; Water

*Refer from* Buddhism; Religions; Tibet

*Refer from* Furniture; Lighting; Petroleum

*Refer from* Agriculture; Economics; Landlord and tenant; Law; Property; Real estate; Rent

*Refer from* Agricultural banks (s); Agricultural credit; Banks and banking

*Refer from* Land; U. S.—Public lands

*Refer from* Communism; Land; Land tenure; Nationalization of land (s); Single tax; Socialism

*Refer from* Absenteeism; Agriculture; Economics; Inheritance; Land; Land nationalization; Real estate; Single tax; Tenure of land (s)

*Refer from* Absenteeism; Ireland — Land tenure (s); Irish land question (s)

*Refer from* U. S.—Economic conditions; U. S.—Land tenure (s)

*Refer from* Abstracts of title (s); Conveyancing; Deeds; Land; Land tenure; Property; Real estate; Sale; Titles (land) (s)

*Refer from* Sports; Yachts and yachting

*Refer from* Commercial law; Land; Land tenure; Law; Real estate; Rent; Tenants (s)

*Refer from* Esthetics; Natural scenery (s); Picturesque; Scenery (s)

*Refer from* Architectural gardening (s); Art; Cemeteries; Forests and forestry; Formal



ture; Gardening; Gardens; Hedges; Lawns; Municipal improvement; Parks; Pergolas; Rustic woodwork; Shrubs; Topiary work; Trees; Water gardens

**Landscape painting**

*See also* Barbizon school; Painting

**Landslides**

*See also* Avalanches

**Language**

*See also* Accent; Alliteration; Alphabet; Classical education; Conversation; Definition; Dialects; Elocution; Epithets; Etymology; Grammar; Hieroglyphics; Idioms; Literature; Names; Onomatopoeia; Phonetics; Pronunciation; Prosody; Punctuation; Rhetoric; Sign language; Slang; Speech; Spelling; Synonyms and antonyms; Translation; Transliteration; Words; Writing; *also* names of languages and groups of languages, e.g. African languages; Aryan languages; Dravidian languages; Indians — languages; Oceanic languages; Oriental languages; Romance languages; Semitic languages; Ural-Altaic languages

— **Artificial**

*See also* Bolak; Esperanto; Ido; Volapük

— **Comparative philology**

— **Universal**

*See also* Language, Artificial

Language of animals *see* Animals — Language

Language of flowers *see* Flower language

Langue bleue (artificial language) *see* Bolak

Langue d'oc *see* Provençal language

Langue d'oïl *see* French language

**Lantern slides**

*See also* Stereopticon

Lapidary work *see* Gems

**Larceny**

*See also* Burglary; Embezzlement; Thieves

Last judgment *see* Judgment day

Last words of famous people

Lathe work *see* Lathes; Turning

**Lathes**

*See also* Machine shop practice; Machine tools; Turning; Woodworking machinery

**Latin America**

*See also* Central America; Mexico; Monroe doctrine; South America; West Indies

**Latin drama**

*See also* Dramatists, Latin; Latin literature; Theater — Rome

**Latin language** [subdivided like German language]

*See also* Aryan languages; Romance languages

**Latin literature**

*See also* Classical literature; Latin drama; Latin language; Latin poetry

— **Medieval and modern**

gardening (s); Gardening; Gardens; Hedges; Municipal improvement; Parks; Planting (s); Rural architecture (s); Shrubs; Trees

*Refer from* Painting

*Refer from* Avalanches; Geology; Physical geography

*Refer from* Anthropology; Ethnology; Linguistics (s); Literature; Philology (s); Science; Speech; Words

*Refer from* Artificial language (s); International language (s); Language, Universal

*Refer from* Comparative philology (s)

*Refer from* International language (s); Universal language (s)

*Refer from* Stereopticon

*Refer from* Burglary; Crime and criminals; Shoplifting (s); Stealing (s); Theft (s); Thieving (s); Thieves

*Refer from* Anecdotes; Death-bed words (s); Dying words (s)

*Refer from* Carpentry; Lathe work (s); Machine shop practice; Machine tools; Machinery; Turning; Woodworking machinery

*Refer from* Central America; Mexico; South America; Spanish America (s)

*Refer from* Dramatists, Latin; Latin literature; Theater — Rome

*Refer from* Aryan languages; Classical languages (s); Latin literature

*Refer from* Classical literature; Latin drama; Latin poetry; Roman literature (s)



**Latin poetry**

*See also* Latin literature

**Latin races**

*See also* Aryans; Creoles

**Latitude and longitude**

*See also* Astronomy; Astronomy, Spherical and practical; Geography, Mathematical; Navigation; Nutation; Traverse tables

Latter-day saints *see* Mormons and Mormonism

**Lattice**

*See also* Grilles

**Laughter**

*See also* Humor

Launches *see* Motor boats; Steam launches

**Launching****Laundry**

*See also* Cleaning

Laureates *see* Poets laureate

**Lava**

*See also* Igneous rocks; Volcanoes

**Law**

*See also* Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Agency; Agricultural laws; Aliens; Allegiance; Anecdotes, Legal; Appeal; Appraising; Arbitration and award; Assignments; Asylum, Right of; Attachment; Bail; Bailments; Bankruptcy; Benefit of clergy; Blue laws; Building laws; Carriers; Chancery; Charters; Church law; Civil law; Civil rights; Commercial law; Common law; Confiscation; Constables; Constitutional law; Constitutions; Contracts; Conveyancing; Copyright; Coroners; Corporation law; Costs; County officers; Courts; Crime and criminals; Criminal law; Damages; Debt; Divorce; Domestic relations; Easements; Election laws; Eminent domain; Equity; Evidence; Extradition; Feudalism; Forms (in law); Game laws; Government; Guaranties and sureties; Guardians; Habeas corpus; Impeachment; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justice; Justices of the peace; Labor laws; Land; Landlord and tenant; Lawyers; Legacies; Legal ethics; Legislation; Libel and slander; Liens; Limitations (law); Liquor laws; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Mining laws; Mortgages; Mortmain; Mosaic law; Municipal corporations; Municipal law; Natural law; Negligence; Negotiable instruments; Notaries; Nuisances; Pardon; Parliamentary practice; Partnership; Patents; Personal property; Petition, Right of; Pleading and practice; Police; Police power; Poor laws; Possession (in law); Powers (law); Primogeniture; Probate law and practice; Property; Prostitution; Punish-

*Refer from* Latin literature

*Refer from* Aryans; Civilization

*Refer from* Astronomy; Astronomy, Spherical and practical; Degrees of latitude and longitude (s); Earth; Geodesy; Geography; Geography, Mathematical; Longitude (s); Nautical astronomy; Navigation

*Refer from* Doors; Fret cutting (s); Grilles; House decoration; Windows

*Refer from* Emotions; Humor

*Refer from* Shipbuilding; Ships

*Refer from* Cleaning; Home economics; Washing (s)

*Refer from* Igneous rocks; Volcanoes

*Refer from* Civil law; Common law; Courts; Criminal law; Ethics; Government; Jurisprudence (s); Legislation; Municipal law; Pleading and practice; Professions; Science; Sociology



**Latin poetry**

*See also* Latin literature

**Latin races**

*See also* Aryans; Creoles

**Latitude and longitude**

*See also* Astronomy; Astronomy, Spherical and practical; Geography, Mathematical; Navigation; Nutation; Traverse tables

Latter-day saints *see* Mormons and Mormonism

**Lattice**

*See also* Grilles

**Laughter**

*See also* Humor

Launches *see* Motor boats; Steam launches

**Launching**

**Laundry**

*See also* Cleaning

Laureates *see* Poets laureate

**Lava**

*See also* Igneous rocks; Volcanoes

**Law**

*See also* Acknowledgments; Actions at law; Administrators and executors; Admiralty; Adoption; Affidavits; Agency; Agricultural laws; Aliens; Allegiance; Anecdotes, Legal; Appeal; Appraising; Arbitration and award; Assignments; Asylum, Right of; Attachment; Bail; Bailments; Bankruptcy; Benefit of clergy; Blue laws; Building laws; Carriers; Chancery; Charters; Church law; Civil law; Civil rights; Commercial law; Common law; Confiscation; Constables; Constitutional law; Constitutions; Contracts; Conveyancing; Copyright; Coroners; Corporation law; Costs; County officers; Courts; Crime and criminals; Criminal law; Damages; Debt; Divorce; Domestic relations; Easements; Election laws; Eminent domain; Equity; Evidence; Extradition; Feudalism; Forms (in law); Game laws; Government; Guaranties and sureties; Guardians; Habeas corpus; Impeachment; Inheritance; Injunctions; Insurance; International law; Judges; Jurisdiction; Jury; Justice; Justices of the peace; Labor laws; Land; Landlord and tenant; Lawyers; Legacies; Legal ethics; Legislation; Libel and slander; Liens; Limitations (law); Liquor laws; Lynch law; Magistrates; Mandamus; Maritime law; Marriage; Martial law; Master and servant; Medical jurisprudence; Military law; Mining laws; Mortgages; Mortmain; Mosaic law; Municipal corporations; Municipal law; Natural law; Negligence; Negotiable instruments; Notaries; Nuisances; Pardon; Parliamentary practice; Partnership; Patents; Personal property; Petition, Right of; Pleading and practice; Police; Police power; Poor laws; Possession (in law); Powers (law); Primogeniture; Probate law and practice; Property; Prostitution; Punish-

*Refer from* Latin literature

*Refer from* Aryans; Civilization

*Refer from* Astronomy; Astronomy, Spherical and practical; Degrees of latitude and longitude (s); Earth; Geodesy; Geography; Geography, Mathematical; Longitude (s); Nautical astronomy; Navigation

*Refer from* Doors; Fret cutting (s); Grilles; House decoration; Windows

*Refer from* Emotions; Humor

*Refer from* Shipbuilding; Ships

*Refer from* Cleaning; Home economics; Washing (s)

*Refer from* Igneous rocks; Volcanoes

*Refer from* Civil law; Common law; Courts; Criminal law; Ethics; Government; Jurisprudence (s); Legislation; Municipal law; Pleading and practice; Professions; Science; Sociology





**Law** — Continued

ment; Real estate; Receivers; Rent; Restraint of trade; Riparian rights; Sale; Salic law; School laws; Sheriffs; Social contract; Sovereignty; Sumptuary laws; Survivorship; Torts; Trade-marks; Treason; Trespass; Trials; Trustees; Wager of battle; Wills; Witnesses; *also* subhead Law under countries and states, and under various subjects, e.g. Women — Law

— **Study and teaching**

Law of nations *see* International law

Law of nature *see* Natural law

Law of supply and demand *see* Supply and demand

Lawn tennis *see* Tennis

**Lawns**

*See also* Grasses

Lawsuits *see* Actions at law

**Lawyers**

*See also* Anecdotes, Legal; Chancellors, Lord; Chief justices; Judges; Legal ethics; Magistrates; Women as lawyers

Laziness *see* Idleness

**Lead**

*See also* Lead burning; Lead mines and mining; Lead poisoning; Metals; Pewter; Plumbing

**Lead burning**

*See also* Plumbing

**Lead mines and mining**

**Lead poisoning**

**Leadership**

*See also* Executive ability

Learned men *see* Scholars

**Learned societies**

*See also* Scientific societies; *also* names of countries and cities, subhead Learned institutions and societies

Learning *see* Culture; Education; Knowledge; Scholars

**Least squares**

*See also* Astronomy, Spherical and practical; Probabilities

**Leather**

*See also* Blacking; Chemistry, Technical; Boots and shoes; Harness; Hides and skins; Leather work; Tanning

**Leather work**

*See also* Arts and crafts

**Leaves**

*See also* Botany; Botany, Structural; Trees

**Lectures and lecturing**

*See also* Chalk talks; Lyceums; Oratory; Rhetoric

Lecturing *see* Lectures and lecturing

*Refer from* Legal education (s); Professional education

*Refer from* Gardening; Grasses; Landscape gardening

*Refer from* Attorneys (s); Bar (s); Barristers (s); Biography; Jurists (s); Law; Solicitors (s)

*Refer from* Metals

*Refer from* Lead; Plumbing

*Refer from* Lead; Mines and mineral resources

*Refer from* Lead; Occupations — Diseases and hygiene; Poisons

*Refer from* Ability; Executive ability; Success

*Refer from* Academies (learned societies) (s); Scientific societies; Societies

*Refer from* Astronomy, Spherical and practical; Errors, Theory of; Geodesy; Mathematics; Probabilities

*Refer from* Animal products; Boots and shoes; Chemistry, Technical; Hides and skins; Manufactures; Tanning

*Refer from* Arts and crafts; Fancy work; Leather

*Refer from* Botany; Botany, Structural; Foliage (s); Plants; Trees

*Refer from* Education; Entertainments; Lecturing (s); Lyceums; Oratory; Rhetoric



**Left- and right-handedness**

*See also* Ambidexterity; Hand

Lefthandedness *see* Left- and right-handedness

**Leg**

*See also* Anatomy; Artificial limbs

**Legacies**

*See also* Inheritance; Inheritance and transfer tax; Mortmain; Wills

Legal anecdotes *see* Anecdotes, Legal

Legal chemistry *see* Chemistry, Legal

Legal education *see* Law — Study and teaching

**Legal ethics**

Legal forms *see* Forms (in law)

Legal holidays *see* Holidays

Legal medicine *see* Medical jurisprudence

**Legal tender**

*See also* Greenbacks; Money; Paper money

Legations *see* Diplomatic and consular service

**Legends**

*See also* Animal lore; Arthurian romances; Ballads; Cross; Fables; Fairy tales; Faust; Folklore; Grail; Indians — Legends; Jesus Christ — Legends; Mary, Virgin — Legends; Mythology; Romances; Sagas; Saints; Wandering Jew

**—Celtic**

*See also* Folklore, Celtic

**—Japan**

*See also* Folklore — Japan

Legerdemain *see* Conjuring

**Legislation**

*See also* Government; Law; Legislative bodies; Lobbying; Parliamentary practice; Referendum; Veto

Legislation, Direct, *see* Referendum

**Legislative bodies**

*See also* Committees; Parliamentary practice; *also* names of legislative bodies under countries, states and cities

Legs *see* Leg

Legume inoculation *see* Soil inoculation

**Leisure**

**Leisure class**

*See also* Class distinction; Luxury

Lenape Indians *see* Delaware Indians

Length, Standards of, *see* Standards of length

Lenni Lenape *see* Delaware Indians

**Lenses**

*See also* Photographic optics

**Lent**

*See also* Ash Wednesday; Christian year; Easter; Fasts and feasts; Good Friday; Holy week

Lepers *see* Leprosy

*Refer from* Ambidexterity; Habit; Hand; Lefthandedness (s); Psychology, Physiological; Right-handedness (s); Righthandedness (s)

*Refer from* Anatomy; Legs (s)

*Refer from* Bequests (s); Inheritance; Law; Wills

*Refer from* Ethics; Ethics, Legal (s); Law; Lawyers; Professional ethics (s)

*Refer from* Bank notes; Coinage; Fiat money (s); Greenbacks; Money; Paper money

*Refer from* Ballads; Fiction; Folklore; Literature; Mythology; Romances; Saints; Stories (s); Superstition; Traditions (s)

*Refer from* Celtic legends (s); Celts; Folklore, Celtic

*Refer from* Folklore — Japan; Japan — Legends (s); Japanese legends (s)

*Refer from* Government; Law

*Refer from* Committees; Constitutional law; Government; Legislation; Parliamentary practice; Representative government and representation

*Refer from* Conduct of life; Simple life

*Refer from* Class distinction; Economics; Labor and laboring classes; Luxury; Privileged classes; Social ethics; Sociology; Wealth

*Refer from* Aberration; Optical instruments; Photographic optics; Photography; Spectacles

*Refer from* Ash Wednesday; Catholic church; Christian year; Easter; Fasting; Fasts and feasts; Good Friday; Holy week



**Lepidoptera**

*See also* Butterflies; Caterpillars; Insects;

Moths

**Leprosy****Letter writing**

*See also* Commercial correspondence; Etiquet; Rhetoric

**Lettering**

*See also* Illumination of manuscripts and books; Monograms; Sign painting

**Letters**

—**American**

—**English**

Letters (of the alphabet) *see* Alphabet

Letters of marque *see* Privateering

Letters patent *see* Patents

Leucopathy *see* Albinos and albinism

**Levant**

*See also* Asia Minor; East; Palestine; Turkey

Levees *see* Embankments

Leveling *see* Surveying

**Lewis and Clark expedition**

Lexicons *see* Dictionaries; *also* names of languages and subjects, subhead Dictionaries

Liability, Employers', *see* Employers' liability

**Libel and slander**

*See also* Liberty of speech; Liberty of the press; Torts

**Liberalism**

*See also* Modernism; Unitarianism

**Liberty**

*See also* Anarchism and anarchists; Assembly, Right of; Democracy; Equality; Free institutions; Liberty of conscience; Liberty of speech; Liberty of the press; Natural law; Religious liberty; Slavery

**Liberty of conscience**

*See also* Church and state; Dissenters; Heresy; Persecution; Private judgment; Public opinion; Religious liberty

**Liberty of speech**

*See also* Assembly, Right of; Libel and slander; Liberty of the press

**Liberty of the press**

*See also* Journalism; Libel and slander; Liberty of speech; Newspapers; Prohibited books; Public opinion

Liberty of the will *see* Freedom of the will

*Refer from* Butterflies; Caterpillars; Insects; Moths

*Refer from* Lepers (s); Medicine — Practice; Skin — Diseases

*Refer from* Composition (English); Composition (rhetoric) (s); Correspondence (s); Etiquet; Rhetoric; Writing

*Refer from* Alphabet; Alphabets (s); Decoration and ornament; Design, Decorative; Illumination of manuscripts and books; Initials; Mechanical drawing; Monograms; Ornamental alphabets (s); Painting, Mechanical; Penmanship; Sign painting; Writing

*Refer from* Correspondence (s); Literature

*Refer from* American letters (s); American literature

*Refer from* English letters (s); English literature

*Refer from* Asia; Asia Minor; East; Palestine; Turkey

*Refer from* Louisiana purchase; Missouri River; U. S.— Exploring expeditions; Western states

*Refer from* Calumny (s); Damages; Defamation (s); Journalism; Law; Liberty of speech; Liberty of the press; Slander (s); Torts

*Refer from* Government; Politics; Theology; Unitarianism

*Refer from* Civil liberty (s); Democracy; Despotism; Equality; Ethics; Free institutions; Freedom (s); Government; People; Personal liberty (s); Philosophy; Religious liberty

*Refer from* Church and state; Church polity; Conscience; Ethics; Free religion; Heresy; Intolerance (s); Liberty; Persecution; Private judgment; Religious liberty; Theology; Toleration (s)

*Refer from* Assembly, Right of; Free speech (s); Libel and slander; Liberty; Liberty of the press; Speech

*Refer from* Censorship of the press (s); Freedom of the press (s); Journalism; Libel and slander; Liberty; Liberty of speech; Newspapers; Periodicals; Press (s); Prohibited books



## **Librarians**

*See also* Library administration  
Librarianship *see* Library administration;  
Library science

## **Libraries**

*See also* Bibliography; Book clubs; Book collecting; Books; Books and reading; Catalogs, Library; Fiction in libraries; Home libraries; Librarians; Mechanics; institutes; Medical libraries; Reference books; School libraries; Shelving (for books); Sunday school libraries; Taxation, Exemption from; *also* headings beginning Libraries and Library, names of libraries, and names of cities, subhead Libraries

### **—Children's**

*See also* Children's literature; Libraries and schools; School libraries

### **—College**

**—Home**, *see* Home libraries  
**—Medical**, *see* Medical libraries

### **—Municipal reference**

### **—Private**

*See also* Book collecting

### **—Public**

**—School**, *see* School libraries  
**—Sunday school**, *see* Sunday school libraries

### **—Traveling**

*See also* Library post

### **—U. S.**

**—University**, *see* Libraries, College  
Libraries and children *see* Libraries, Children's  
Libraries and fiction *see* Fiction in libraries

## **Libraries and pictures**

## **Libraries and schools**

*See also* Children's literature; Libraries, Children's; School libraries

## **Library administration**

*See also* Fiction in libraries; Library science

## **Library architecture**

*See also* Shelving (for books)

Library buildings *see* Library architecture

## **Library bulletins**

Library catalogs *see* Catalogs, Library

## **Library commissions**

Library economy *see* Library science

## **Library fittings and supplies**

*See also* Shelving (for books)

## **Library laws**

## **Library post**

*See also* Parcels post

## **Library schools and training**

## **Library science**

*See also* Bibliography; Bookbinding; Cataloging; Classification; Libraries; Library administration; Library bulletins; Library schools and training

*Refer from* Biography; Libraries

*Refer from* Bibliography; Books; Books and reading; Circulating libraries (s); Education; Library science; Literature

*Refer from* Child study; Children; Children's libraries (s); Children's literature; Libraries and children (s); Libraries and schools; Schools and libraries (s)

*Refer from* College libraries (s); Libraries, University (s); University libraries (s)

*Refer from* Municipal reference libraries (s)

*Refer from* Book collecting; Private libraries (s)

*Refer from* Public libraries (s)

*Refer from* Traveling libraries (s)

*Refer from* U. S.— Libraries (s)

*Refer from* Pictures

*Refer from* Children's literature; Education; Libraries, Children's; Public schools; School libraries; Schools; Schools and libraries (s)

*Refer from* Librarians; Librarianship (s); Library science

*Refer from* Architecture; Library buildings (s); Public buildings

*Refer from* Advertising; Bulletins, Library (s); Library science

*Refer from* Furniture

*Refer from* Libraries, Traveling; Parcels post; Postal service

*Refer from* Library science; Library training (s); Professional education

*Refer from* Cataloging; Classification; Librarianship (s); Library administration; Library economy (s); Professions





Library training *see* Library schools and training

Librettos *see* Opera — Librettos

License system *see* Liquor laws; Liquor traffic

**Lichens**

*See also* Cryptogams

**Liens**

*See also* Attachment; Mortgages

Lies *see* Lying

**Life** [for use when neither Biology nor Conduct of life is applicable]

*See also* Animism; Biology; Christian life and character; Conduct of life; Death; Ethics; Future life; Hygiene; Longevity; Man; Philosophy; Spiritual life; Standard of living; Vital statistics; Vitalism

—**Origin**

*See also* Biology; Spontaneous generation

Life-boats *see* Lifeboats

Life in other worlds *see* Plurality of worlds

Life insurance *see* Insurance, Life

**Life-saving**

*See also* Accidents; Beacons; Drowning; Firemen; Fires; First aid in illness and injury; Lifeboats; Lighthouses; Lightning conductors; Safety devices; Shipwrecks

**Lifeboats**

Lifts *see* Elevators; Hoisting machinery

**Light**

*See also* Aberration; Absorption of light; Color; Color blindness; Diffraction; Ether (of space); Eye; Heliotropism; Interference (light); Lighting; Magneto-optics; N rays; Optical illusions; Optical instruments; Perspective; Phosphorescence; Photochemistry; Photography; Photometry; Phototherapy; Physics; Polarization (light); Radiation; Radioactivity; Rainbow; Reflection (light); Refraction; Sight; Spectra; Spectrum analysis; Sun; X rays; Zodiacal light

Light cure *see* Phototherapy

Light operas *see* Operettas

**Lighthouses**

*See also* Beacons

**Lighting**

*See also* Acetylene; Candles; Car heating, lighting and ventilation; Electric lighting; Gas; Gas lighting; Incandescent gas-lighting; Lamps; Lighthouses; Petroleum; Photometry; *also* names of cities, subhead

Lighting

*See also* Atmospheric electricity; Electricity; Lightning conductors; Thunderstorms

**Lightning conductors**

Lightning rods *see* Lightning conductors

**Lignite**

*See also* Briquets; Coal

*Refer from* Cryptogams; Mosses

*Refer from* Attachment; Assignments; Bailments; Commercial law; Incumbrances (s); Law; Mechanics' liens (s); Property; Real estate

*Refer from* Conduct of life; Ethics; Man; Metaphysics; Philosophy

*Refer from* Biology; Evolution; Origin of life (s)

*Refer from* Accidents; Drowning; Shipwrecks

*Refer from* Boats and boating; Life-boats (s); Life-saving; Navigation; Shipwrecks

*Refer from* Aberration; Absorption of light; Color; Diffraction; Eye; Interference (light); Optics (s); Photometry; Physics; Radiation; Reflection (light); Refraction; Senses and sensation; Spectra; Vibration; Waves

*Refer from* Beacons; Civil engineering; Hydraulic engineering; Life-saving; Lighting; Navigation

*Refer from* Illumination (s); Light; Municipal improvement; Street lighting (s)

*Refer from* Accidents; Atmospheric electricity; Electricity; Meteorology; Thunderstorms

*Refer from* Electric conductors; Life-saving; Lightning; Lightning rods (s); Safety devices

*Refer from* Coal; Fuel



**Lilies**

*See also* Floriculture

**Lily** *see* Lilies**Lime**

*See also* Cement

**Limericks**

*See also* Nonsense verse

**Limestone**

*See also* Building stones; Chalk; Marble

**Limitations (law)**

*See also* Possession (in law)

**Limnobiology** *see* Fresh-water life**Linen**

*See also* Fibers; Flax; Hemp; Textile industry and fabrics

**Linguistics** *see* Language**Link motion**

*See also* Mechanical movements; Valves and valve gears

**Linoleum****Linotype** *see* Typesetting machines**Lions**

*See also* Carnivora

**Lip reading**

*See also* Deaf and dumb

**Liquefaction of gases**

*See also* Chemistry, Physical; Liquid air

**Liqueurs** *see* Liquors**Liquid air**

*See also* Chemistry, Physical; Liquefaction of gases

**Liquid fuel**

*See also* Alcohol, Denatured; Gas and oil engines; Gasoline; Petroleum

**Liquids**

*See also* Boiling points; Capillarity; Fluids; Hydraulics; Hydrodynamics; Hydrostatics; Jets; Liquid air; Liquid fuel; Soap bubbles; Solution (chemistry); Splashes; Viscosity

**Liquor habit** *see* Alcoholism; Liquor problem**Liquor laws**

*See also* Dispensary system; Gothenburg system; Internal revenue laws; Liquor traffic; Local option; Prohibition

**Liquor problem**

*See also* Alcoholism; Canteens (army); Liquor laws; Liquor traffic; Local option; Prohibition; Temperance

**Liquor traffic**

*See also* Brewing; Canteens (army); Dispensary system; Gothenburg system; Liquor laws; Liquor problem; Local option; Prohibition; Temperance

**Liquors**

*See also* Adulterations; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Fermentation; Kumiss; Temperance; Wine

*Refer from* Floriculture; Flowers; Lily (s)

*Refer from* Cement; Fertilizers and manures

*Refer from* Humor; Nonsense verse

*Refer from* Building stones; Chalk; Rocks

*Refer from* Actions at law; Debt; Law; Possession (in law); Statute of limitations (s)

*Refer from* Fibers; Flax; Hemp; Textile industry and fabrics

*Refer from* Mechanical movements; Steam engines; Valves and valve gears

*Refer from* Carpets; Floors; Manufactures

*Refer from* Carnivora; Hunting

*Refer from* Deaf and dumb; Speech

*Refer from* Chemistry, Physical; Gases; Heat; Liquid air; Physics

*Refer from* Air; Air, Liquid (s); Chemistry, Physical; Liquefaction of gases; Liquids; Physics; Refrigeration and refrigerating machinery

*Refer from* Fuel; Gas and oil engines; Liquids; Marine engines; Petroleum

*Refer from* Capillarity; Fluids; Mechanics; Physics

*Refer from* High license (s); Law; License system (s); Liquor problem; Liquor traffic; Local option; Prohibition; Temperance

*Refer from* Alcohol; Alcoholism; Drink question (s); Drunkenness (s); Inebriates (s); Intemperance (s); Intoxication (s); Liquor habit (s); Liquor traffic; Local option; Prohibition; Saloons (s); Social problems; Temperance

*Refer from* Alcohol; High license (s); License system (s); Liquor laws; Liquor problem; Saloons (s); Temperance

*Refer from* Adulterations; Agricultural products; Alcohol; Ale; Beer; Beverages; Brandy; Brewing; Distillation; Drink (s); Food; Intoxicants (s); Liqueurs (s); Manufactures;



### **Litanies**

*See also* Liturgies

Literary blunders *see* Errors and blunders  
Literary

Literary collaboration *see* Collaboration

Literary criticism *see* Criticism; Literature —  
History and criticism

### **Literary forgeries and mystifications**

*See also* Errors and blunders, Literary;  
Plagiarism; Shakespeare, William — For-  
geries

Literary frauds *see* Literary forgeries and  
mystifications

Literary history *see* Bibliography; Literature  
— History and criticism

Literary men *see* Authors; Students

Literary property *see* Copyright

### **Literary societies**

*See also* Study clubs

### **Literature**

*See also* Allegories; Allusions; Anagrams;  
Anecdotes; Art in literature; Authors;  
Authorship; Ballads; Bestiaries; Bible —  
Literary character; Bibliography; Books;  
Books and reading; Booksellers and book-  
selling; Catholic literature; Chapbooks;  
Children in literature and art; Children's  
literature; Classicism; Commonplace books;  
Copyright; Criticism; Dialogues; Drama;  
Editorials; Emblems; Epigrams; Epitaphs;  
Errors and blunders, Literary; Essays; Es-  
thetics; Fables; Fairy tales; Fiction; Folk-  
lore; Horn books; Humanism; Humor;  
Hymns; Idealism in literature; Indexes;  
Inscriptions; Journalism; Language; Le-  
gends; Letters; Libraries; Literary forgeries  
and mystifications; Manuscripts; Maxims;  
Mottoes; Naturalism in literature; Nature  
in literature; Newspapers; Orations; Para-  
dies; Periodicals; Plagiarism; Plots (drama,  
novel, etc.); Poetry; Printing; Prose; Prov-  
erbs; Publishers and publishing; Quota-  
tions; Readers; Realism in literature; Reci-  
tations and readings; Religious literature;  
Renaissance; Rhetoric; Riddles; Romances;  
Romanticism; Sacred books; Sagas; Satire;  
Sermons; Short stories; Symbolism in litera-  
ture; Tracts; Translation; Women in litera-  
ture and art; *also* names of literatures and  
groups of literatures, e.g. American literature;  
Celtic literature; Classical literature; English  
literature; European literature; Oriental  
literature; Romance literature; Scandinavian  
literature; Slavic literature

### **— Collections**

*See also* Recitations and readings

### **— History and criticism**

*See also* Book reviews; Criticism

### **— Immoral**

**— Medieval, *see* Middle ages — Literature**

Spirituous liquors(s); Stimulants; Temperance;  
Wine

*Refer from* Liturgies; Prayers; Worship

*Refer from* Errors and blunders, Literary;  
Forgeries (s); Forgery; Frauds, Literary (s);  
Imposture; Literary frauds (s); Literature;  
Plagiarism

*Refer from* Societies; Study clubs

*Refer from* Authors; Belles-lettres (s);  
Bibliography; Books; Books and reading;  
Drama; European literature; Language; Poet-  
ry; Prose

*Refer from* Recitations and readings

*Refer from* Appraisal of books (s); Book  
reviews; Books — Appraisal (s); Criticism;  
Evaluation of literature (s); Literary criti-  
cism (s); Literary history (s)

*Refer from* Ethics; Immoral literature (s)



**Literature** — Continued

— **Study and teaching**

**Lithography**

*See also* Chromolithography; Engraving;

Photolithography; Zincography

Lithology *see* Rocks

Lithozincography *see* Zincography

Littoral rights *see* Riparian rights

**Liturgies**

*See also* Breviaries; Church services; Hymns; Litanies; Mass; Missals; Prayer books; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Worship; *also* names of churches, e.g. Catholic church — Liturgy and ritual, Church of England — Liturgy and ritual

**Live stock**

*See also* Barns and stables; Breeding; Cattle; Cowboys; Cows; Domestic animals; Feeding and feeding stuffs; Grazing; Horse; Insurance, Casualty; Oxen; Poultry; Sheep; Swine; Veterinary medicine

— Transportation, *see* Animals — Transportation

**Liver**

*See also* Digestive system; Glands

**Livery**

Lives *see* Biography; *also* names of individuals and classes of persons

Living, Cost of, *see* Cost of living

Living, Standard of, *see* Standard of living

Living expenses *see* Cost of living

Loadstone *see* Lodestone

Loan associations *see* Building and loan associations

**Loans**

*See also* Debt; Finance; Interest; Investments; Mortgages; Repudiation; Securities

**Lobbying**

*See also* Political corruption

**Local government**

*See also* Boroughs; Cities; Coroners; County officers; Gilds; Home rule; Municipal government; Town meeting; Town officers; Towns; Village communities; Villages

**Local option**

*See also* Liquor laws; Liquor problem; Prohibition

Lockjaw *see* Tetanus

Lockouts *see* Strikes and lockouts

Locks (canals) *see* Canals — Locks

**Locks and keys**

**Locomotion**

*See also* Aeronautics; Animal locomotion; Automobiles; Boats and boating; Carriages; Coaches and coaching; Cycling; Driving; Flight; Horsemanship; Navigation; Rowing; Running; Sailing; Skating; Transportation; Travel; Walking

*Refer from* Art; Chromolithography; Engraving

*Refer from* Breviaries; Church ceremonies (s); Church music; Church services; Devotional exercises; Litanies; Missals; Prayer books; Prayers; Religious services (s); Responsive worship; Rites and ceremonies; Ritual (s); Service-books (s); Worship

*Refer from* Agriculture; Animal industry (s); Breeding; Cattle; Domestic animals; Farm animals (s); Feeding and feeding stuffs; Horse; Oxen; Sheep; Stock breeding (s); Stock farming (s); Stock raising (s); Swine

*Refer from* Abdomen; Digestive system; Glands; Viscera

*Refer from* Costume; Gilds; Servants; Uniforms

*Refer from* Commerce; Credit; Debt; Debts, Public; Finance; Investments

*Refer from* Legislation; Political corruption; Politics

*Refer from* Boroughs; County officers; Government; Municipal government; Self-government (s); State governments; Town meeting; Towns; Village communities; Villages

*Refer from* County option (s); Liquor laws; Liquor problem; Liquor traffic; Prohibition; Temperance

*Refer from* Hardware; Keys (s)

*Refer from* Motion





**Locomotives**

*See also* Electric locomotives; Railroads; Steam engines; Traction engines

**Locusts**

*See also* Cicadas; Orthoptera

**Lodestone****Lodging houses**

*See also* Hotels

**Log cabins****Logarithms**

*See also* Functions; Mathematics — Tables, etc.; Slide rule; Surveying; Trigonometry

Logging *see* Lumber and lumbering

**Logic**

*See also* Analogy; Certainty; Debating; Evidence; Fallacies; Probabilities; Reason

**Lollards****Longevity**

*See also* Old age; Vital statistics

Longitude *see* Latitude and longitude

Looking-glasses *see* Mirrors

**Looms**

*See also* Weaving

Lord chancellors *see* Chancellors, Lord

**Lord's prayer**

*See also* Bible — New Testament — Matthew; Bible — New Testament — Luke

**Lord's supper**

*See also* Church membership; Close communion; Jesus Christ; Mass; Passover; Sacraments; Transubstantiation

Lost tribes of Israel *see* Jews — Lost tribes

**Lotteries**

*See also* Probabilities

**Lotus****Louisiana purchase**

*See also* Lewis and Clark expedition; Mississippi Valley; U. S. — History — 1783-1812

**Louvre**

*See also* Paris — Galleries and museums

**Love**

*See also* Charity; Courtship; Friendship; Jealousy; Love poetry; Marriage; Mothers

*Refer from* Engines; Machinery; Mechanical engineering; Motors; Railroads; Railroads — Equipment and supplies; Railroads — Rolling stock; Steam engines

*Refer from* Grasshoppers (s); Insects, Injurious and beneficial; Orthoptera

*Refer from* Iron ores; Loadstone (s); Magnetism; Magnetite (s)

*Refer from* Apartment houses; Hotels; Housing problem; Tenement houses

*Refer from* Architecture, Domestic; Cabins, Log (s); Cottages

*Refer from* Algebra; Mathematics — Tables, etc.; Surveying; Tables, Mathematical (s); Trigonometry

*Refer from* Argument (s); Debating; Dialectics (s); Evidence; Fallacies; Induction (logic) (s); Intellect; Philosophy; Probabilities; Proof (s); Psychology; Reason; Reasoning (s); Science; Syllogisms (s); Thought and thinking

*Refer from* England — Religious history; Sects

*Refer from* Age; Aged (s); Biology; Centenarians (s); Hygiene; Life; Man; Old age; Pathology; Physiology

*Refer from* Machinery; Textile factories; Weaving

*Refer from* Bible; Bible — New Testament — Matthew; Bible — New Testament — Luke; Devotional exercises; Prayer; Prayers

*Refer from* Altars; Christian antiquities; Church membership; Church polity; Close communion; Communion (s); Confirmation; Devotional exercises; Eucharist (s); Jesus Christ; Mass; Passover; Real presence (s); Sacraments; Theology; Transubstantiation

*Refer from* Crime and criminals; Ethics; Gambling

*Refer from* Egypt — Religion; Flowers

*Refer from* U. S. — Annexations; U. S. — History — 1783-1812

*Refer from* Art — Galleries and museums; Palaces; Paris — Galleries and museums

*Refer from* Affection (s); Charity; Courtship; Emotions; Ethics; Friendship; Jealousy; Marriage; Women



Love, Courts of, *see* Courts of love

**Love poetry**

**Low German language**

*See also* Dutch language; Flemish language; Germanic languages; Old Saxon language

Lower Silurian period *see* Geology, Stratigraphic — Ordovician

**Loyalists, American**

*See also* U. S.— History — Revolution

**Loyalty**

*See also* Patriotism

Lubricants *see* Lubrication and lubricants

**Lubrication and lubricants**

*See also* Bearings (machinery); Friction; Oils and fats

Lucerne (plant) *see* Alfalfa

Luck *see* Chance; Fate and fatalism; Success

**Luddites**

*See also* Machinery in industry

Luggage *see* Baggage

**Lullabies**

**Lumber and lumbering**

*See also* Forests and forestry; Sawmills; Timber; Woodworking machinery

Lumbering *see* Lumber and lumbering

Luminiferous ether *see* Ether (of space)

Lunacy *see* Insanity

Lunar eclipses *see* Eclipses

Lunar theory *see* Moon

Lunatic asylums *see* Insane hospitals

**Luncheons**

*See also* Cookery; Menus; Sandwiches; School lunches

**Lungs**

*See also* Auscultation; Breathing; Cough; Pneumonia; Respiratory organs; Tuberculosis

**Lutheran church**

*See also* Germany — Religious history; Reformation — Germany

Luxations *see* Dislocations

**Luxury**

*See also* Consumption (economics); Leisure class; Standard of living; Sumptuary laws; Wealth

Lycanthropy *see* Werwolves

**Lyceums**

*See also* Lectures and lecturing

**Lying**

*See also* Equivocation; Truth

**Lynch law**

*See also* Vigilance committees

*Refer from* Love; Poetry; Poetry of love (s)

*Refer from* German language — Dialects; Germanic languages; Old Saxon language; Plattdeutsch (s)

*Refer from* American loyalists (s); Biography; Tories, American (s); United empire loyalists (s); U. S.— Biography; U. S.— History — Revolution

*Refer from* Conduct of life; Ethics; Fidelity (s); Patriotism

*Refer from* Bearings (machinery); Friction; Grease (s); Lubricants (s); Machinery; Mechanical engineering; Oils and fats

*Refer from* Labor and laboring classes — England; Machinery in industry

*Refer from* Cradle songs (s); Folk songs; Slumber songs (s); Songs

*Refer from* Clearing of land; Forest products; Forests and forestry; Logging (s); Lumbering (s); Timber; Trees; Wood

*Refer from* Cookery; Eating; Entertaining; Home economics; Meals (s); Menus; Table

*Refer from* Breathing; Chest; Pneumonia; Respiratory organs; Tuberculosis

*Refer from* Evangelical Lutheran church (s); Germany — Religious history; Reformation — Germany; Sects

*Refer from* Economics; Leisure class; Standard of living; Wealth

*Refer from* Education; Lectures and lecturing

*Refer from* Equivocation; Ethics; Falsehood (s); Lies (s); Truth

*Refer from* Capital punishment; Crime and criminals; Crowds; Law; Lynching (s); Mobs (s); Riots; Vigilance committees



Lynching *see* Lynch law

**Lyric poetry**

*See also* Ballads; Hymns; Minnesingers; Odes; Songs; Sonnets

Macadamized roads *see* Roads, Macadamized

**Macaronic verse**

**Machine design**

*See also* Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical movements; Screws

Machine guns *see* Guns

**Machine shop management**

*See also* Machine shop practice; Scientific management

**Machine shop practice**

*See also* Drafting room practice; Drilling (perforating); Dynamos; Engines; Forging; Foundry work; Grinding and polishing; Lathes; Machine design; Machine shop management; Machine tools; Machinery; Mechanical engineering; Pattern making; Planing machines; Sheet-metal work; Welding

**Machine shops**

*See also* Machine shop management; Machine shop practice

**Machine tools**

*See also* Abrasives; Drilling (perforating); Electric driving; Grinding and polishing; Lathes; Machine shop practice; Milling machines; Planing machines; Punching machinery; Screw machines; Tool steel

**Machinery**

*See also* Bearings (machinery); Belting; Calculating machines; Conveying machinery; Cranes, derricks, etc.; Cranks (machinery); Electric engineering; Electric machinery; Engineering; Engines; Excavating machinery; Fans, Mechanical; Farm implements and machinery; Friction; Gearing; Hoisting machinery; Hydraulic engineering; Hydraulic machinery; Inventions; Kinematics; Lathes; Locomotives; Looms; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery in industry; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Milling machines; Mills and millwork; Mining machinery; Motors; Patents; Pattern making; Planing machines; Power transmission; Printing presses; Pulleys; Pumps; Refrigeration and refrigerating machinery; Screw machines; Screws; Sewing machines; Shafting; Steam engines; Tabulating machines; Timekeepers; Tools; Typesetting machines; Valves and valve gears; Water wheels; Wheels; Windmills; Woodworking machinery

**Machinery in industry**

*See also* Luddites

*Refer from* Ballads; Odes; Poetry; Songs; Sonnets

*Refer from* Humor; Poetry

*Refer from* Bearings (machinery); Belting; Bolts and nuts; Cams; Chains; Design; Machine (s); Drafting room practice; Gearing; Machine shop practice; Machinery; Mechanical drawing; Mechanical engineering; Mechanical movements; Mechanics, Applied; Screws

*Refer from* Machine shop practice; Machine shops; Management of factories, shops, etc. (s); Scientific management; Shop management (s); Works management (s)

*Refer from* Drilling (perforating); Grinding and polishing; Industrial arts; Lathes; Machine design; Machine shop management; Machine shops; Machine tools; Machinery; Mechanical engineering; Shop practice (s)

*Refer from* Architecture; Shops (s)

*Refer from* Lathes; Machine shop practice; Machinery; Mechanical engineering; Milling machines; Planing machines; Screw machines; Tools

*Refer from* Engineering; Industrial arts; Instruments; Machine design; Machine shop practice; Machines (s); Manual training; Manufactures; Mechanical engineering; Mechanical movements; Mechanics; Mechanism (s); Mills and millwork; Motors; Power; Power transmission; Tools; Wheels

*Refer from* Industry; Labor and laboring classes; Labor and machinery (s); Luddites; Machinery; Manufactures



Machines *see* Machinery  
Madness *see* Insanity  
Madonna *see* Mary, Virgin; Madonnas  
**Madonnas**  
*See also* Christian art and symbolism

Maffia *see* Mafia

**Mafia**  
*See also* Camorra; Sicily

Magazines *see* Periodicals  
**Magi**

**Magic**  
*See also* Conjuring; Evil eye; Occult sciences; Witchcraft

Magic lantern *see* Stereopticon  
**Magic squares**

**Magistrates**  
*See also* Judges; Justices of the peace; Kings and rulers; Monarchy

**Magna charta**

Magnetic needle *see* Compass  
Magnetic observations *see* Magnetism, Terrestrial — Observations

**Magnetic separation of ores**

Magnetic surveys *see* Magnetism, Terrestrial — Observations

Magnetic variations *see* Magnetism, Terrestrial

**Magnetism**  
*See also* Animal magnetism; Compass; Diamagnetism; Electricity; Electromagnets; Lodestone; Magnetic separation of ores; Magneto-optics; Physics  
— **Terrestrial**  
*See also* Auroras; Compass

— **Observations**

Magnetite *see* Lodestone

**Magneto-optics**  
*See also* Electrons; Polarization (light)

Magyar language *see* Hungarian language

Magyar literature *see* Hungarian literature

Mahommedanism *see* Mohammedanism

**Mahrattas**  
*See also* Ethnology — India

Mail *see* Postal service

**Mail order business**  
*See also* Advertising

Maize *see* Corn

**Majolica**  
*See also* Pottery

*Refer from* Art; Christian art and symbolism; Jesus Christ in art; Madonna (s); Mary, Virgin; Mary, Virgin, in art (s); Paintings; Virgin Mary in art (s)

*Refer from* Camorra; Crime and criminals; Maffia (s); Secret societies; Sicily

*Refer from* Christmas; Jesus Christ — Birth; Wise men of the East (s)

*Refer from* Conjuring; Demonology; Illusions and hallucinations; Necromancy (s); Occult sciences; Superstition; Witchcraft

*Refer from* Mathematical recreations; Numbers; Squares, Magic (s)

*Refer from* Government; Judges; Law; Lawyers

*Refer from* Charters; England — Constitution; England — History — Plantagenets

*Refer from* Electrometallurgy; Magnetism; Metallurgy; Ore treatment

*Refer from* Diamagnetism; Electricity; Paramagnetism (s); Physics

*Refer from* Auroras; Compass; Earth; Magnetic variations (s); Physical geography; Terrestrial magnetism (s)

*Refer from* Magnetic observations (s); Magnetic surveys (s); Observations, Magnetic (s)

*Refer from* Light; Magnetism; Polarization (light)

*Refer from* Ethnology — India; India; Marathas (s)

*Refer from* Advertising; Business; Department stores

*Refer from* Pottery





**Make-up, Theatrical**

*See also* Acting; Cosmetics

Making-up, Theatrical, *see* Make-up, Theatrical

Malacology *see* Mollusks

**Malaria**

*See also* Mosquitoes

Malarial fever *see* Malaria

**Malays**

*See also* Head-hunters

**Malpractice**

**Malt**

*See also* Beer; Brewing

**Malta, Knights of**

**Malthusianism**

*See also* Population

**Mammals**

*See also* Carnivora; Cetacea; Fur-bearing animals; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology; *also* names of mammals, e.g. Bats, Elephants, Seals (animals)

**Mammoths**

*See also* Paleontology

**Man**

*See also* Anatomy; Anthropogeography; Anthropology; Anthropometry; Archaeology; Cannibalism; Civilization; Color of man; Creation; Dwarfs; Environment; Ethics; Ethnology; Eugenics; Evolution; Family; Folklore; Future life; Giants; Heredity; History; Hygiene; Life; Longevity; Manners and customs; Men; Monsters; Paleontology; Phrenology; Physiognomy; Physiology; Psychology; Race problems; Religion; Savages; Sex; Sociology; Soul; Vital statistics; Women; *also* names of races

—Antiquity, *see* Man — Origin and antiquity

—Natural history, *see* Anthropology

—Origin and antiquity

*See also* Anatomy, Comparative; Archaeology; Cave dwellers; Creation; Evolution; Geology; Glacial period; Industries, Primitive; Lake dwellers and lake dwellings; Missing link; Stone age

Man with the iron mask *see* Iron Mask

Management of children *see* Children — Management

Management of factories, shops, etc., *see* Factory management; Machine shop management; Scientific management

*Refer from* Acting; Actors; Amateur theatricals; Cosmetics; Making-up, Theatrical (s); Stage make-up (s); Theater; Theatrical make-up (s)

*Refer from* Ague (s); Chills and fever (s); Fever; Hygiene, Public; Malarial fever (s); Mosquitoes; Pathology

*Refer from* Ethnology

*Refer from* Medical jurisprudence; Medicine — Practice

*Refer from* Ale; Beer; Brewing; Enzymes

*Refer from* Chivalry; Hospitallers (s); Knights and knighthood; Knights hospitaliers (s); Knights of Malta (s); Knights of Rhodes (s); Knights of St. John of Jerusalem (s); Order of Malta (s); Order of St. John of Jerusalem (s); Religious orders; St. John of Jerusalem, Order of (s); Secret societies

*Refer from* Population

*Refer from* Bats; Carnivora; Cetacea; Elephants; Insectivora; Marsupialia; Primates; Quadrupeds; Rodents; Ungulata; Vertebrates; Zoology

*Refer from* Elephants; Paleontology

*Refer from* Anthropology; Civilization; Ethnology; History; Human race (s); Life; Men; Natural history; Philosophy; Physiology; Primates; Sociology; Zoology

*Refer from* Anatomy, Comparative; Antiquity of man (s); Archaeology; Creation; Evolution; Geology; Glacial period; Man — Antiquity (s); Origin of man (s); Preadamites (s); Prehistoric man (s); Primitive man (s); Stone age



**Mandamus**

Maneuvers, Military, *see* Military maneuvers

**Manganese**

*See also* Metals

Mania *see* Insanity

**Manicheism**

*See also* Philosophy, Persian

**Manicuring**

Manly exercise *see* Gymnastics; Physical education; Sports

Manners *see* Courtesy; Etiquet

**Manners and customs**

*See also* Amusements; April fools' day; Archaeology; Bohemianism; Burial; Cannibalism; Caste; Costume; Drinking customs; Dueling; Eating; Ethnology; Etiquet; Folklore; Funeral rites and ceremonies; Halloween; Holidays; Kissing; Marriage customs and rites; Mourning customs; National characteristics; Ordeals; Punishment; Rites and ceremonies; Salutations; Slang; Society; Tattooing; Tipping; Toasts; Valentine's day; Vendetta; *also* names of countries and cities, subhead Social life and customs

Manoeuvres, Military, *see* Military maneuvers

**Manors**

*See also* Feudalism

**Mantels**

*See also* Fireplaces

**Manual training**

*See also* Arts and crafts; Basketwork; Busy work; Cardboard construction; Carpentry; Drawing; Handicraft; Industrial education; Machinery; Modeling; Needlework; Paper work; Technical education; Trade schools; Weaving; Wood carving; Woodwork

**Manufacturers****Manufactures**

*See also* Automobiles; Beverages; Boots and shoes; Box making; Buttons; Cables; Candles; Carriages; Cars; Chains; Chemistry, Technical; Clocks and watches; Clothing; Commerce; Confectionery; Cooperage; Cost accounting; Cutlery; Explosives; Factories; Factory system; Flour and flour mills; Fuel; Furniture; Gas; Glass manufacture; Hardware; Harness; Hats; Industrial arts; Iron industry; Labor and laboring classes; Lace; Leather; Linoleum; Liquors; Machinery; Machinery in industry; Manufacturers; Matches; Metal work; Metals; Mills and millwork; Paper; Patents; Pens; Perfumery; Pins and needles; Pottery; Prices; Receipts; Rope; Rubber; Scientific management; Soap; Stationery; Steel industry; Sweating system; Technology; Textile industry and fabrics; Timekeepers; Tobacco — Manufacture and trade; Trade-marks; Tubes; Waste products; *also* names of countries and states, subhead Industries and resources, and names of cities, subhead Industries

*Refer from* Law

*Refer from* Metals

*Refer from* Dualism; Philosophy; Philosophy, Persian; Theology

*Refer from* Hand; Toilet

*Refer from* Anthropology; Archaeology; Ceremonies (s); Civilization; Customs (s); Ethics; Ethnology; Etiquet; Folklore; Man; Rites and ceremonies; Social life and customs (s); Sociology; Usages (s)

*Refer from* Feudalism; Land tenure; Middle ages

*Refer from* Fireplaces; House decoration

*Refer from* Arts and crafts; Education; Handicraft; Industrial arts; Industrial education; Slojd (s); Sloyd (s); Technical education; Woodwork

*Refer from* Biography; Manufactures

*Refer from* Business; Commerce; Commercial geography; Commercial products; Economics; Industrial arts; Machinery; Mills and millwork; Technology; Useful arts (s)



Manures *see* Fertilizers and manures

**Manuscripts**

*See also* Archives; Charters; Illumination of manuscripts and books; Inscriptions; Paleography; Parchment; Writing

**Maoris**

*See also* Ethnology — New Zealand; New Zealand — History

**Map drawing** [elementary]

*See also* Topographical drawing

**Maps**

*See also* Atlases; Charts; Globes; Map drawing; Road maps; *also* names of countries, subhead Description and travel — Maps, and names of cities, subhead Description — Maps

Marathas *see* Mahrattas

**Marble**

*See also* Building stones

**Marbling**

Marches (exercise) *see* Drills and marches

**Marches** (music)

Marconigrams *see* Wireless telegraphy

Marine architecture *see* Shipbuilding

**Marine biology**

*See also* Algae; Aquatic plants; Dredging; Marine zoology; Plankton

Marine boilers *see* Boilers, Marine

Marine botany *see* Algae; Aquatic plants

**Marine engineering**

*See also* Boilers, Marine; Marine engines; Propellers; Shipbuilding; Steam navigation; Steam turbines

**Marine engines**

*See also* Boilers, Marine; Gas and oil engines; Liquid fuel; Marine engineering; Steam engines; Steam turbines

Marine fauna *see* Marine zoology

Marine flora *see* Algae; Aquatic plants

Marine hospitals *see* Hospitals, Naval and marine

Marine insurance *see* Insurance, Marine

Marine law *see* Maritime law

Marine life *see* Marine biology; Seafaring life

**Marine painting**

*See also* Painting

Marine plants *see* Algae; Aquatic plants

Marine surveying *see* Hydrography

**Marine zoology**

*See also* Aquariums; Brachiopoda; Ceteacea; Coelenterata; Crustacea; Dredging; Echinodermata; Fish; Fresh-water fauna; Marine biology; Mollusks; Ocean; Plankton; Polyzoa; Protozoa; Seals (animals); Seashore; Sponges

Mariner's compass *see* Compass

Marionettes *see* Puppet plays

**Maritime law**

*See also* Admiralty; Collisions at sea; Contraband of war; Impressment; Insur-

*Refer from* Archives; Autographs; Bibliography; Books; History — Sources; Inscriptions; Literature; Paleography; Papyri (s); Writing

*Refer from* Ethnology — New Zealand; New Zealand

*Refer from* Drawing; Geography; Maps; Topographical drawing

*Refer from* Atlases; Cartography (s); Chartography (s); Charts; Geography

*Refer from* Building stones; Limestone; Sculpture; Stone

*Refer from* Bookbinding; Painting, Mechanical; Paper

*Refer from* Instrumental music

*Refer from* Aquatic life (s); Aquatic plants; Biology; Dredging; Marine life (s); Marine zoology; Ocean; Ocean life (s); Plankton; Sea life (s); Seashore; Thalassography (s)

*Refer from* Boilers, Marine; Engineering; Engineering, Marine (s); Marine engines; Mechanical engineering; Naval engineering (s); Steam navigation

*Refer from* Boilers, Marine; Engines; Marine engineering; Shipbuilding; Steam engines; Steam navigation; Steamboats

*Refer from* Painting

*Refer from* Aquatic animals (s); Deep-sea fauna (s); Dredging; Fish; Marine biology; Marine fauna (s); Mollusks; Ocean; Pelagic fauna (s); Plankton; Seashore; Zoology

*Refer from* Admiralty; Commerce; Commercial law; Dominion of the sea (s); International



ance, Marine; International law; Mutiny; Neutrality; Pirates; Privateering; Prizes (international law); Salvage; Search, Right of; Shipping; Steamboat inspection

Maritime power *see* Sea power

Maritime surveying *see* Hydrography

**Mark (land)**

*See also* Village communities

**Market gardening**

*See also* Agriculture; Gardening; Greenhouses; Vegetables

**Marketing**

**Marketing of farm produce**

*See also* Agriculture; Farm management

**Markets**

*See also* Slaughtering and slaughterhouses; *also* names of cities, subhead Markets  
Marks (land) *see* Mark (land)

Marks, Artists', *see* Artists' marks

Marks, Goldsmiths', *see* Hall marks

Marks, Printers', *see* Printers' marks

**Maroons**

**Marprelate controversy**

Marquetry *see* Inlay

**Marriage**

*See also* Adultery; Celibacy; Chastity; Consanguinity; Courtship; Divorce; Domestic relations; Eugenics; Family; Husbands; Illegitimacy; Love; Marriage customs and rites; Marriages, International; Polyandry; Polygamy; Sex; Sexual ethics; Wedding anniversaries; Weddings; Wives; Women

**Marriage customs and rites**

*See also* Weddings

Marriage records *see* Vital records

Marriage statistics *see* Vital statistics

**Marriages, International**

Marsh gas *see* Fire damp

**Marshes**

*See also* Drainage; Reclamation of land

**Marsupialia**

*See also* Mammals

**Martial law**

*See also* Courts martial; Habeas corpus; Military government; Military law

Martial music *see* Military music

**Martyrs**

*See also* Christian biography; Church history; Inquisition; Persecution; Saints

law; Law; Marine law (s); Navigation laws (s); Privateering; Prizes (international law); Salvage; Search, Right of; Shipping

*Refer from* Commons; Land tenure; Marks (land) (s); Village communities

*Refer from* Agriculture; Farm management; Gardening; Greenhouses; Truck farming (s); Vegetable gardening (s); Vegetables

*Refer from* Food; Home economics

*Refer from* Agricultural products; Agriculture; Commerce; Farm management; Farm products (s); Prices; Transportation

*Refer from* Business; Cities; Commerce; Food

*Refer from* Dutch Guiana; Fugitive slaves; Jamaica; Negroes

*Refer from* Church of England — Doctrinal and controversial works; England — Religious history; Puritans

*Refer from* Christian antiquities; Church law; Consanguinity; Courtship; Divorce; Domestic relations; Ethics; Eugenics; Family; Home; Husband and wife (s); Husbands; Law; Love; Matrimony (s); Polygamy; Rites and ceremonies; Sacraments; Sex; Sexual ethics; Social problems; Sociology; Weddings; Wives; Women; Women — Law

*Refer from* Bridal customs (s); Manners and customs; Marriage; Rites and ceremonies; Weddings

*Refer from* International marriages (s); Marriage

*Refer from* Bogs (s); Drainage; Fens (s); Morasses (s); Reclamation of land; Swamps (s)

*Refer from* Mammals; Pouched animals (s); Zoology — Australia

*Refer from* Habeas corpus; Law; Military art and science; Military government; Military law; War

*Refer from* Christian biography; Church history; Heresy; Heroes; Inquisition; Persecution; Saints





**Mary, Virgin**

*See also* Immaculate conception; Jesus Christ; Madonnas

**—Legends**

Mary, Virgin, in art, *see* Madonnas

**Masks (for the face)**

Masks (plays) *see* Masques (plays)

**Mason and Dixon's line****Masonry**

*See also* Arches; Bricklaying; Bricks; Bridges; Building; Building stones; Cement; Concrete; Dams; Foundations; Plaster and plastering; Stereotomy; Stone; Stonecutting; Strength of materials; Vaulting; Walls

Masons (secret order) *see* Freemasons

**Masquerades**

*See also* Balls (parties); Costume

**Masques (plays)****Mass**

*See also* Catholic church — Liturgy and ritual; Lord's supper; Masses (music); Missals; Transubstantiation

**Massacres**

*See also* names of massacres, e.g. Boston massacre; St. Bartholomew's day, Massacre of; Sicilian vespers; Wyoming massacre

**Massage**

*See also* Mechanotherapy; Swedish movement cure

**Masses (music)****Master and servant**

*See also* Apprentices; Domestic relations; Employers' liability; Servants

Mastersingers *see* Meistersingers

**Matches****Materia medica**

*See also* Dispensatories; Drugs, and names of drugs; Medical botany; Medicines, Proprietary; Pharmacy; Pharmacopoeias; Therapeutics

**Materialism**

*See also* Animism; Encyclopedists; Epicureans; Evolution; Philosophy; Rationalism; Soul; Stoics

Materials, Strength of, *see* Strength of materials

Maternity *see* Mothers

Mathematical drawing *see* Geometrical drawing; Mechanical drawing

Mathematical geography *see* Geography, Mathematical

**Mathematical instruments**

*See also* Calculating machines; Drawing instruments; Measuring instruments; Planimeter; Slide rule; Surveying instruments

Mathematical notation *see* Notation (mathematics)

**Mathematical recreations**

*See also* Magic squares

*Refer from* Catholic church; Immaculate conception; Jesus Christ; Madonna (s); Miracles; Virgin Mary (s)

*Refer from* Legends

*Refer from* Costume

*Refer from* Maryland — Boundaries; Pennsylvania — Boundaries; Slavery in the U. S.

*Refer from* Architecture; Bricklaying; Bricks; Bridges; Building; Building stones; Civil engineering; Concrete; Dams; Engineering; Foundations; Industrial arts; Stone; Strength of materials; Walls

*Refer from* Amusements; Balls (parties)

*Refer from* Drama; Masks (plays) (s); Theater

*Refer from* Altars; Catholic church; Catholic church — Liturgy and ritual; Eucharist (s); Liturgies; Lord's supper; Missals; Rites and ceremonies; Theology; Transubstantiation

*Refer from* Battles; History; Persecution

*Refer from* Mechanotherapy; Therapeutics

*Refer from* Church music; Mass; Music

*Refer from* Contracts; Domestic relations; Employers' liability; Law; Servants

*Refer from* Chemistry, Technical; Manufactures

*Refer from* Dispensatories; Drugs; Medical botany; Medicine; Medicines (s); Pharmacy; Pharmacopoeias; Remedies (in medicine) (s); Therapeutics

*Refer from* Animism; Atheism; Matter; Naturalism; Philosophy; Skepticism; Theology

*Refer from* Arithmetic; Arithmetical instruments (s); Instruments; Mathematics

*Refer from* Amusements; Mathematics; Scientific recreations



Mathematical tables *see* Mathematics —  
Tables, etc.

**Mathematicians**

**Mathematics**

*See also* Algebra; Arithmetic; Astronomy;  
Axioms; Calculating machines; Calculus;  
Conic sections; Engineering; Equations;  
Errors, Theory of; Fourth dimension;  
Geodesy; Geography, Mathematical; Ge-  
ometry; Groups, Theory of; Least squares;  
Mathematical instruments; Mathematical  
recreations; Mathematicians; Mechanics;  
Mensuration; Metric system; Navigation;  
Notation (mathematics); Numbers; Nu-  
merals; Physics; Probabilities; Quaternions;  
Ready-reckoners; Surveying; Trigonometry

—Tables, etc.

*See also* Interest tables; Logarithms;  
Traverse tables

**Matriarchy**

Matrimony *see* Marriage

**Matter**

*See also* Atomic theory; Atoms; Capil-  
larity; Compressibility; Dissociation; Dy-  
namics; Elasticity; Electrons; Ether (of  
space); Force and energy; Gravitation;  
Hardness; Ions; Materialism; Molecules;  
Physics; Radioactivity; Solids; Specific  
gravity; Viscosity

Mausoleums *see* Tombs

**Maxims**

*See also* Epigrams; Proverbs; Quotations

**May day**

**Mayas**

*See also* Central America — Antiquities;  
Guatemala; Indians of Central America;  
Indians of Mexico; Mexico — Antiquities;  
Yucatan

Meadows *see* Pastures and meadows

Meals *see* Breakfasts; Dinners and dining;

Eating; Food; Luncheons; Table

**Measles**

Measures *see* Mensuration; Weights and  
measures

**Measuring instruments**

*See also* Micrometer; Slide rule; Square  
(instrument)

**Meat**

*See also* Animal food; Beef; Carving  
(meat, etc.); Cold storage; Cookery —  
Meat; Meat inspection; Packing industry;  
Slaughtering and slaughterhouses

**Meat inspection**

*See also* Food adulteration and inspection;  
Slaughtering and slaughterhouses

Mechanic arts *see* Industrial arts

**Mechanical draft**

*See also* Blowing engines; Combustion;  
Fans, Mechanical; Smoke

*Refer from* Mathematics; Scientists

*Refer from* Algebra; Arithmetic; Conic  
sections; Geometry; Science; Trigonometry

*Refer from* Calculation — Aids (s); Loga-  
rithms; Mathematical tables (s); Ready-  
reckoners; Tables, Mathematical (s)

*Refer from* Family; Government; Mothers;  
Women

*Refer from* Atoms; Compressibility; Dynam-  
ics; Gravitation; Mechanics; Metaphysics;  
Philosophy; Physics; Viscosity

*Refer from* Adages (s); Aphorisms (s);  
Apothegms (s); Epigrams; Laconics (s); Lit-  
erature; Proverbs; Quotations; Sayings (s)

*Refer from* Days; Festivals

*Refer from* Central America — Antiquities;  
Guatemala; Indians of Central America;  
Indians of Mexico; Mexico — Antiquities;  
Yucatan

*Refer from* Children — Diseases; Contagion  
and contagious diseases; Medicine — Practice

*Refer from* Mathematical instruments;  
Weights and measures

*Refer from* Animal food; Animal products;  
Beef; Food; Packing industry; Slaughtering  
and slaughterhouses

*Refer from* Food adulteration and inspec-  
tion; Hygiene, Public; Inspection of meat (s);  
Meat; Packing industry; Slaughtering and  
slaughterhouses

*Refer from* Combustion; Draft, Mechan-  
ical (s); Draught, Mechanical (s); Fans, Me-



**Mechanical drawing**

*See also* Architectural drawing; Drafting room practice; Drawing instruments; Geometrical drawing; Graphic statics; Graphics; Lettering; Machine design; Pattern making; Perspective; Projection

**Mechanical engineering**

*See also* Boilers; Electric engineering; Engineering; Engines; Friction; Fuel; Hydraulic engineering; Locomotives; Lubrication and lubricants; Machine design; Machine shop practice; Machine tools; Machinery; Marine engineering; Mechanical draft; Mechanical movements; Mechanics; Mechanics, Applied; Power plants; Power transmission; Steam engines

Mechanical fans *see* Fans, Mechanical

**Mechanical movements**

*See also* Cams; Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Pulleys

Mechanical painting *see* Painting, Mechanical

**Mechanics**

*See also* Aeronautics; Animal mechanics; Dynamics; Elasticity; Engineering; Fluids; Force and energy; Friction; Gases; Graphic statics; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Liquids; Machinery; Matter; Mechanical movements; Motion; Motors; Perpetual motion; Physics; Power; Pulleys; Statics; Steam engines; Strength of materials

**—Applied**

*See also* Machine design; Mechanical engineering; Power transmission; Strains and stresses

**—Celestial**

*See also* Astronomy; Moon; Orbits; Perturbation; Planets

**Mechanics (persons)****Mechanics' institutes**

Mechanics' liens *see* Liens

Mechanism *see* Machinery; Mechanical movements

**Mechanotherapy**

*See also* Gymnastics, Medical; Massage; Osteopathy; Swedish movement cure

**Medals**

*See also* Decorations of honor; Numismatics

Mediaeval *see* Medieval

Medical anecdotes *see* Anecdotes, Medical

Medical biography *see* Physicians and surgeons

**Medical botany**

*See also* Botany, Economic; Dispensatories; Materia medica; Pharmacopoeias; Pharmacy; *also* names of medicinal plants, e.g. Ginseng

chanical; Furnaces; Mechanical engineering; Smoke

*Refer from* Architectural drawing; Drafting, Mechanical (s); Drafting room practice; Draughting, Mechanical (s); Drawing; Drawing instruments; Engineering; Geometrical drawing; Graphic statics; Graphics; Industrial drawing (s); Machine design; Mathematical drawing (s); Pattern making; Projection

*Refer from* Applied mechanics (s); Civil engineering; Engineering; Engineering, Mechanical (s); Engines; Industrial arts; Machine shop practice; Machinery; Mechanical movements; Mechanics, Applied; Power transmission

*Refer from* Gearing; Kinematics; Link motion; Machine design; Machinery; Mechanical engineering; Mechanics; Mechanism (s); Motion

*Refer from* Dynamics; Engineering; Fluids; Force and energy; Hydraulics; Hydrodynamics; Hydrostatics; Kinematics; Machinery; Mathematics; Mechanical engineering; Mechanical movements; Motion; Physics; Power; Statics

*Refer from* Applied mechanics (s); Engineering, Mechanical (s); Industrial arts; Mechanical engineering; Strains and stresses

*Refer from* Astronomy; Celestial mechanics (s); Orbits; Perturbation

*Refer from* Biography

*Refer from* Education; Industrial education; Labor and laboring classes; Libraries; Technical education

*Refer from* Gymnastics, Medical; Massage; Movement cure (s); Osteopathy; Swedish movement cure; Therapeutics

*Refer from* Archaeology; Badges of honor (s); Decorations of honor; History; Numismatics

*Refer from* Botany; Botany, Economic; Botany, Medical (s); Drugs; Herbs, Medicinal (s); Materia medica; Medicinal plants (s); Pharmacy; Plants, Medicinal (s); Poisonous plants



Medical charities *see* Charities, Medical  
Medical chemistry *see* Pharmacy; Physiological chemistry  
Medical climatology *see* Climate; Medical geography

**Medical colleges**

*See also* Medicine — Study and teaching

Medical education *see* Medical colleges; Medicine — Study and teaching

**Medical delusions**

*See also* Medical folklore; Medicine men; Quacks and quackery

Medical directories *see* Physicians and surgeons  
Medical electricity *see* Electrotherapeutics

**Medical ethics**

*See also* Physicians and surgeons

**Medical folklore**

*See also* Medical delusions

**Medical geography**

*See also* Climate; Tropics — Diseases and hygiene

Medical gymnastics *see* Gymnastics, Medical

**Medical inspection of schools**

*See also* School hygiene; School nurses

**Medical jurisprudence**

*See also* Autopsy; Chemistry, Legal; Expert evidence; Identification; Infanticide; Insanity; Malpractice; Poisons; Suicide; Survivorship

**Medical libraries**

Medical missions *see* Missions, Medical

Medical nomenclature *see* Medicine — Nomenclature

**Medical research**

*See also* Animal experimentation

Medical schools *see* Medical colleges

**Medical societies**

Medical superstition *see* Medical folklore

Medical terminology *see* Medicine — Nomenclature

Medicinal plants *see* Medical botany

**Medicine**

*See also* Accidents; Allopathy; Anatomy; Anecdotes, Medical; Anesthetics; Antiseptics; Autopsy; Bacteriology; Bible — Medicine, hygiene, etc.; Charities, Medical; Contagion and contagious diseases; Dentistry; Diagnosis; First aid in illness and injury; Germ theory of disease; Histology; Homeopathy; Hospitals; Hygiene; Hygiene, Public; Indians — Medicine; Inoculation; Invalids; Materia medica; Medicine and religion; Medicine men; Microscope and microscopy; Mind and body; Missions, Medical; Narcotics; Naval hygiene; Nurses and nursing; Pathology; Pharmacy; Physi-

*Refer from* Colleges and universities; Medical schools (s); Medical education (s); Medicine — Study and teaching

*Refer from* Delusions (s); Errors, Popular; Medical folklore; Medicine — History

*Refer from* Ethics; Ethics, Medical (s); Physicians and surgeons; Professional ethics (s)

*Refer from* Folklore; Folklore of medicine (s); Medical delusions; Medical superstition (s)

*Refer from* Climate; Geographical pathology (s); Geography; Geography, Medical (s); Medical climatology (s); Pathology; Tropics — Diseases and hygiene

*Refer from* Children — Care and hygiene; Hygiene; Hygiene, Public; School children; School hygiene; School nurses; Schools — Medical inspection (s)

*Refer from* Chemistry, Legal; Expert evidence; Forensic medicine (s); Insanity; Jurisprudence, Medical (s); Law; Legal medicine (s); Poisons

*Refer from* Libraries; Libraries, Medical (s)

*Refer from* Research; Scientific research

*Refer from* Societies

*Refer from* Homeopathy; Hygiene; Pathology; Physiology; Professions; Science; Surgery; Therapeutics





**Medicine**—Continued

cians and surgeons; Physiological chemistry; Physiology; Poisons; Quacks and quackery; Sanatoriums; Stimulants; Surgery; Therapeutics; Vaccination; Veterinary medicine; *also* headings beginning Medical

—Directories, *see* Physicians and surgeons

—**Eclectic**

—**History**

*See also* Epidemics; Medical delusions; Medicine, Medieval

—**Medieval**

*See also* Elixir of life

—**Military**

*See also* Battlefield relief; First aid in illness and injury; Military hygiene; Surgery, Military; *also* names of wars, subhead Medical and sanitary affairs

—**Nomenclature**

—**Practice**

*See also* Alcoholism; Apoplexy; Appendicitis; Asthma; Black death; Bones—Diseases; Bronchitis; Cancer; Catarrh; Children—Diseases; Cholera, Asiatic; Cold (disease); Contagion and contagious diseases; Croup; Deafness; Diabetes; Diagnosis; Diphtheria; Dyspepsia; Epilepsy; Erysipelas; Eye—Diseases and defects; Fever; Gout; Hay fever; Headache; Heatstroke; Hookworm disease; Hydrophobia; Hysteria; Idiocy; Influenza; Insanity; Insomnia; Leprosy; Malpractice; Measles; Meningitis; Mental diseases; Nervous system—Diseases; Neuralgia; Neurasthenia; Nurses and nursing; Obstetrics; Paralysis; Parasites; Pellagra; Plague; Pneumonia; Respiratory organs—Diseases; Rheumatism; Scarlet fever; Seasickness; Skin—Diseases; Sleeping sickness; Smallpox; Sombulism; Surgery; Suspended animation; Tetanus; Therapeutics; Tropics—Diseases and hygiene; Tuberculosis; Tumors; Typhoid fever; Typhus fever; Varioloid; Voice; Women—Diseases; Yellow fever

—**Study and teaching**

*See also* Medical colleges

—Tropics, *see* Tropics—Diseases and hygiene

**Medicine and religion**

*See also* Emmanuel movement; Faith cure

**Medicine men**

*See also* Indians—Medicine

Medicines *see* Drugs; Materia medica; Medicines, Proprietary

**Medicines, Proprietary**

*Refer from* Eclectic medicine (s)

*Refer from* Medicine—History

*Refer from* Battlefield relief; Field hospitals (s); Military hygiene; Military medicine (s)

*Refer from* Medical nomenclature (s); Medical terminology (s); Names; Nomenclature (s); Terminology (s)

*Refer from* Clinical medicine (s); Diagnosis; Diseases (s); Pathology; Therapeutics; Women—Diseases

*Refer from* Education, Medical (s); Medical colleges; Medical education (s); Professional education

*Refer from* Church and healing (s); Emmanuel movement; Medicine; Religion and medicine (s)

*Refer from* Conjuring; Indians—Medicine; Medical delusions; Witchcraft

*Refer from* Drugs; Materia medica; Medicines (s); Patent medicines (s); Proprietary medicines (s); Quacks and quackery



Medieval architecture *see* Architecture, Medieval

Medieval art *see* Art, Medieval

Medieval civilization *see* Civilization, Medieval

Medieval history *see* Middle ages — History

Medieval literature *see* Middle ages — Literature

Medieval philosophy *see* Philosophy, Medieval

**Meditations**

*See also* Devotional exercises

Mediums *see* Spiritualism

Meetings, Public, *see* Public meetings

**Meistersingers**

*See also* German poetry; Minnesingers

**Melancholy**

**Melody**

*See also* Harmony

**Melting points**

Memoirs *see* Autobiography; Biography; *also* names of individuals

**Memorial day**

**Memory**

*See also* Association of ideas; Attention;

Mental discipline; Psychology

**Men**

*See also* Bachelors; Gentlemen; Husbands; Man; Young men

**Menageries**

*See also* Circus; Vivariums; Zoological gardens

Mendelism *see* Mendel's law

**Mendel's law**

*See also* Hybridization

Mendicity *see* Begging

**Mending and repairing**

**Meningitis**

**Mennonites**

*See also* Anabaptists

**Mensuration**

*See also* Gaging; Geodesy; Metric system; Surveying; Weights and measures

Mental aberration *see* Insanity; Mental diseases

Mental arithmetic *see* Arithmetic

Mental association *see* Association of ideas

Mental culture *see* Mental discipline

Mental derangements *see* Insanity; Mental diseases

*Refer from* Devotional exercises; Reflections (s)

*Refer from* Bards; German poetry; Mastersingers (s); Minnesingers; Minstrels; Poets

*Refer from* Emotions; Mental diseases; Psychology; Temperament

*Refer from* Composition (music); Harmony; Music; Music — Theory

*Refer from* Chemistry, Physical; Heat; Temperature

*Refer from* Decoration day (s); Holidays; U. S. — History — Civil war

*Refer from* Association of ideas; Brain; Education; Intellect; Mental discipline; Mnemonics (s); Psychology; Psychology, Educational; Teaching

*Refer from* Man; Young men

*Refer from* Animals; Animals in captivity (s); Circus; Vivariums; Zoological gardens; Zoology

*Refer from* Botany; Breeding; Evolution; Heredity; Hybridization; Mendelism (s); Plant breeding; Variation (biology); Zoology

*Refer from* Darning (s); Needlework; Repairing (s)

*Refer from* Brain; Cerebrospinal meningitis (s); Medicine — Practice; Spinal meningitis (s); Spine

*Refer from* Amish Mennonites (s); Anabaptists; Baptists; Sects

*Refer from* Arithmetic; Civil engineering; Engineering; Geometry; Mathematics; Measures (s); Metrology (s); Trigonometry; Weights and measures



**Mental discipline**

*See also* Attention; Education; Memory; Psychology, Educational; Self-culture

**Mental diseases**

*See also* Aphasia; Brain; Feeble-minded; Hysteria; Idiocy; Illusions and hallucinations; Insanity; Melancholy; Mental hygiene; Nervous system — Diseases; Suicide

Mental exhaustion *see* Fatigue, Mental

Mental fatigue *see* Fatigue, Mental

**Mental healing**

*See also* Animal magnetism; Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental hygiene; Mind and body; New thought; Suggestive therapeutics

**Mental hygiene**

*See also* Fatigue, Mental; Mental diseases; Mental healing; Mind and body; New thought; Rest; Worry

Mental overwork *see* Fatigue, Mental

Mental pathology *see* Mental diseases

Mental philosophy *see* Philosophy; Psychology

Mental physiology *see* Brain; Mind and body; Psychology, Physiological

Mental science *see* Psychology

Mental suggestion *see* Hypnotism; Suggestion

Mental therapeutics *see* Mental healing

Mental training *see* Mental discipline

Mentally deficient children *see* Children, Abnormal and backward; Defectives; Feeble-minded

**Menus**

*See also* Breakfasts; Catering; Dinners and dining; Luncheons; Table

Mercantile law *see* Commercial law

Mercantile marine *see* Shipping

**Mercenary troops****Mercerization**

Merchandise *see* Commerce

Merchant marine *see* Shipping

**Merchants**

*See also* Business; Business ethics; Commerce; Commercial law; Commercial travelers; Peddlers and peddling

**Mercury**

*See also* Amalgams; Metals

*Refer from* Discipline, Mental (s); Education; Memory; Mental culture (s); Mental training (s); Mind training (s); Psychology, Educational; Self-culture; Thought and thinking

*Refer from* Aberration, Mental (s); Abnormal psychology (s); Brain; Diseases (s); Hysteria; Illusions and hallucinations; Insanity; Medicine — Practice; Mental aberration (s); Mental derangements (s); Mental hygiene; Mental pathology (s); Nervous system — Diseases; Pathological psychology (s); Psychiatry (s); Psychology; Psychology, Pathological (s); Psychology, Physiological; Psychosis (s)

*Refer from* Absent treatment (s); Christian science; Faith cure; Healing, Mental (s); Health thoughts (s); Hypnotism; Mental hygiene; Mental therapeutics (s); Metaphysical healing (s); Mind and body; Mind cure (s); Psychology; Psychotherapy (s); Suggestion; Suggestive therapeutics; Therapeutics

*Refer from* Fatigue, Mental; Hygiene; Hygiene, Mental (s); Mental diseases; Mental healing; Mind and body; Psychology; Suggestion

*Refer from* Bills of fare (s); Breakfasts; Catering; Cookery; Diet; Dinners and dining; Eating; Entertaining; Home economics; Luncheons; Table

*Refer from* Armies; Military history; Soldiers

*Refer from* Cotton; Textile industry and fabrics

*Refer from* Biography; Business; Commerce

*Refer from* Amalgamation; Amalgams; Metals; Mines and mineral resources; Quick-silver (s)



**Mercy**

Mesmerism *see* Animal magnetism; Hypnotism  
Mesozoic era *see* Geology, Stratigraphic —  
Mesozoic; Paleontology — Mesozoic

**Messiah**

*See also* Jesus Christ; Jesus Christ —  
Messiahship

**Metabolism**

*See also* Absorption (physiology); Botany  
— Physiology; Digestion; Nutrition; Physi-  
ological chemistry; Physiology; Plants —  
Chemistry and nutrition

Metachrosis *see* Color of animals; Mimicry  
(biology)

**Metal coloring**

*See also* Bronzing; Coppersmithing; Gild-  
ing; Goldsmithing; Metal work; Silver-  
smithing

Metal corrosion *see* Corrosion and anti-cor-  
rosives

Metal protection *see* Corrosion and anti-  
corrosives

**Metal work**

*See also* Arts and crafts; Brasses; Bronzes;  
Coppersmithing; Cutlery; Damaskeening;  
Dies; Goldsmithing; Hardware; Ironwork;  
Jewelry; Metal coloring; Pewter; Plate;  
Plate-metal work; Plating; Punching  
machinery; Repoussé work; Sheet-metal  
work; Silversmithing; Solder and soldering;  
Welding

Metallochromy *see* Metal coloring

**Metallography**

*See also* Alloys; Iron; Steel

**Metallurgy**

*See also* Alloys; Amalgamation; Assay-  
ing; Blast furnaces; Chemical engineering;  
Chemistry, Technical; Cyanide process;  
Electrometallurgy; Furnaces; Magnetic  
separation of ores; Metals; Ore treatment;  
Ores; Smelting; *also* names of metals

**Metals**

*See also* Alchemy; Alloys; Amalgams;  
Annealing; Assaying; Blowpipe; Chemistry;  
Inorganic; Corrosion and anti-corrosives;  
Foundry work; Geology, Economic; Hard-  
ware; Metal work; Metallography; Metal-  
lurgy; Mineralogy; Mines and mineral  
resources; Ore deposits; Ores; Pattern mak-  
ing; Periodic law; Precious metals; Slag;  
Smelting; Solder and soldering; Strength  
of materials; Welding; Wire; *also* names of  
metals and alloys, e.g. Aluminium; Brass;  
Bronze; Cobalt; Copper; Iron; Lead;  
Manganese; Mercury; Nickel; Platinum;  
Steel; Tin; Zinc

Metamorphic rocks *see* Rocks

**Metaphor**

*See also* Rhetoric

Metaphysical healing *see* Mental healing

*Refer from* Ethics

*Refer from* Jesus Christ; Jesus Christ —  
Messiahship; Jews; Jews — Religion

*Refer from* Absorption (physiology); Anab-  
olism (s); Assimilation (s); Biology; Botany  
— Physiology; Catabolism (s); Digestion;  
Katabolism (s); Nutrition; Physiological  
chemistry; Physiology; Plants — Chemistry  
and nutrition

*Refer from* Bronzing; Coloring of metals (s);  
Coppersmithing; Gilding; Goldsmithing; Iron-  
work; Metal work; Metallochromy (s);  
Plating; Silversmithing

*Refer from* Architecture; Arts and crafts;  
Decoration and ornament; Dies; Hardware;  
Industrial arts; Ironwork; Manufactures;  
Metal coloring; Metals; Plate-metal work;  
Repoussé work; Sheet-metal work

*Refer from* Alloys; Iron; Metals; Micro-  
graphic analysis (s); Microscope and micro-  
copy; Microscopic analysis (s); Steel

*Refer from* Alloys; Assaying; Chemical en-  
gineering; Chemistry; Chemistry, Technical;  
Cyanide process; Electrometallurgy; Fur-  
naces; Industrial arts; Metals; Ore treatment;  
Ores; Smelting; Technology

*Refer from* Aluminium; Chemical elements;  
Chemistry, Inorganic; Cobalt; Copper;  
Geology; Geology, Economic; Iron; Lead;  
Manganese; Manufactures; Mercury; Metal-  
lurgy; Mineralogy; Mines and mineral re-  
sources; Nickel; Ores; Platinum; Steel; Tin;  
Zinc

*Refer from* Rhetoric





**Metaphysics**

*See also* Absolute, The; Being; Belief; Causation; Consciousness; Force and energy; Infinite; Knowledge; Life; Matter; Monadology; Monism; Necessity; New thought; Personality; Philosophy; Pluralism; Psychology; Reality; Soul; Space; Teleology; Time; Universe

Metempsychosis *see* Transmigration

**Meteoritic hypothesis**

*See also* Meteors; Nebulae

**Meteorites**

*See also* Meteors

**Meteorological instruments**

*See also* Anemometer; Barometer; Thermometer

**Meteorological observatories**

*See also* Meteorology — Observations

**Meteorology**

*See also* Air; Atmospheric electricity; Atmospheric nucleation; Auroras; Climate; Clouds; Cold; Cyclones; Dew; Droughts; Evaporation; Floods; Fog; Frost; Hail; Heat; Humidity; Hurricanes; Hygrometry; Ice; Lightning; Meteorological instruments; Ocean; Physical geography; Rain; Rainbow; Seasons; Snow; Storms; Sun spots; Temperature; Thunderstorms; Tornadoes; Waterspouts; Weather; Weather forecasts; Weather lore; Winds; *also* names of countries, subhead Meteorology

**—Observations**

*See also* Meteorological observatories

**—U. S.**

*See also* U. S. — Climate

**Meteors**

*See also* Astronomy; Meteorites; Meteoritic hypothesis

**Meter**

*See also* Poetry; Prosody; Rhythm; Versification

Meters *see* Electric meters; Gas meters; Water meters; Wattmeter; etc.

**Methodism**

*See also* Episcopacy; Methodist Episcopal church; Wesleyan Methodist church

**Methodist Episcopal church**

*See also* Bishops; Methodism

Metre *see* Meter

**Metric system**

*See also* Decimal system; Weights and measures

Metrology *see* Mensuration; Weights and measures

Mexican boll weevil *see* Boll weevil

Mexican cotton-boll weevil *see* Boll weevil

Mexican war, 1846–1848, *see* U. S. — History

— War with Mexico

Mezzotint *see* Engraving

*Refer from* Absolute, The; Being; Causation; Epistemology (s); God; Infinite; Knowledge; Monism; Ontology (s); Philosophy; Psychology; Reality; Teleology; Universe

*Refer from* Astronomy; Meteors; Nebulae; Solar system; Universe

*Refer from* Aerolites (s); Astronomy; Meteors

*Refer from* Anemometer; Barometer; Instruments; Meteorology; Thermometer

*Refer from* Meteorology — Observations; Observatories, Meteorological (s)

*Refer from* Aerology (s); Air; Atmosphere (s); Climate; Clouds; Earth; Floods; Fog; Humidity; Physical geography; Physics; Rain; Science; Sky (s); Snow; Storms; Temperature; Water; Waterspouts; Weather; Winds

*Refer from* Meteorological observatories; Observations, Meteorological (s)

*Refer from* U. S. — Climate; U. S. — Meteorology (s)

*Refer from* Astronomy; Falling stars (s); Fire balls (s); Meteorites; Meteoritic hypothesis; Shooting stars (s); Stars

*Refer from* Metre (s); Poetry; Prosody; Rhythm; Versification

*Refer from* Church polity; Dissenters; Episcopacy; Methodist Episcopal church

*Refer from* Episcopal church (s); Methodism; Sects; Wesleyans (s)

*Refer from* Arithmetic; Decimal system; Mathematics; Mensuration; Units; Weights and measures



**Mica**

**Mice**

*See also* Rodents

Microbes *see* Bacteriology; Fungi

**Microchemistry**

Micrographic analysis *see* Metallography;  
Microscope and microscopy

**Micrometer**

Micro-organisms *see* Animalcules; Bacteriology

**Microphone**

Microphotography *see* Photomicrography

**Microscope and microscopy**

*See also* Bacteriology; Histology; Metallography; Microchemistry; Photomicrography

Microscopic analysis *see* Metallography; Microscope and microscopy

Microscopic anatomy *see* Histology

Microscopy *see* Microscope and microscopy

**Middle ages**

*See also* Chivalry; Feudalism; Fifteenth century; Inquisition; Manors; Monasticism; Renaissance

—Architecture, *see* Architecture, Medieval

—Art, *see* Art, Medieval

—Civilization, *see* Civilization, Medieval

—**History**

*See also* Byzantine empire; Church history — Middle ages; Crusades; Hanseatic league; Holy Roman empire; Moors in Spain; Northmen; Teutonic knights

—**Literature**

*See also* Anglo-Saxon literature; Arthurian romances; Charlemagne — Romances; English literature — History and criticism — Middle English

—**Social life and customs**

*See also* Chivalry

Middle English language *see* English language — Middle English

Middle English literature *see* English literature — History and criticism — Middle English

**Middle states**

*See also* Cumberland road; Northwest Territory, U. S.; *also* names of states

Midwifery *see* Obstetrics

Migration of animals *see* Animals — Migration

Migration of birds *see* Birds — Migration

**Migration of nations**

*See also* Anthropogeography; Anthropology; Barbarian invasions of Rome; Ethnology; Immigration and emigration

Migration of plants *see* Plants — Migration

**Mildew**

*See also* Fungi; Plants — Diseases

**Militarism**

*See also* Armies; Disarmament; Navies; Peace; War

*Refer from* Isinglass (s); Mineralogy

*Refer from* Household pests; Mouse (s); Rodents

*Refer from* Chemistry; Chemistry — Analysis; Microscope and microscopy

*Refer from* Measuring instruments; Surveying instruments

*Refer from* Electricity; Telephone

*Refer from* Animalcules; Bacteriology; Biology; Botany; Histology; Medicine; Micrographic analysis (s); Microscopic analysis (s); Microscopy (s); Natural history; Optical instruments; Photomicrography; Science; Zoology

*Refer from* Archaeology; Chivalry; Dark ages (s); Feudalism; Renaissance

*Refer from* Byzantine empire; Church history — Middle ages; Crusades; Europe — History — 476-1492 (s); Hanseatic league; History; History, Medieval (s); Holy Roman empire; Medieval history (s)

*Refer from* Literature, Medieval (s); Medieval literature (s)

*Refer from* Central states (s); Northwest Territory, U. S.

*Refer from* Anthropogeography; Anthropology; Barbarian invasions of Rome; Civilization; Ethnology; Europe — History — To 476; History; Immigration and emigration

*Refer from* Fungi; Plants — Diseases

*Refer from* Armies; Disarmament; International relations; Navies; Peace; War



**Military aeronautics** *see* Aeronautics, Military

**Military architecture**

*See also* Armories; Arsenals; Barracks; Castles; Fortification; Military engineering

**Military art and science**

*See also* Aeronautics, Military; Ammunition; Archery; Armies; Arms and armor; Artillery; Artillery drill and tactics; Battles; Bounties, Military; Bugle calls; Camps (military); Cavalry; Cavalry drill and tactics; Chariots; Coast defense; Concentration camps; Conscription; Disarmament; Drill (military); Explosives; Fencing; Firearms; Flags; Fortification; Guerrillas; Gunnery; Hospitals, Military; Imaginary wars and battles; Infantry; Infantry drill and tactics; Martial law; Militia; Mines, Military; Naval art and science; Ordnance; Prisoners of war; Projectiles; Railroads, Military; Rifle practice; Scouts and scouting; Sieges; Signals; Soldiers; Spies; Tactics; Target practice; Tents; Torpedoes; War; War games; *also* headings beginning Military

**Military biography**

*See also* Generals; Soldiers

**Military bounties** *see* Bounties, Military

**Military bridges**

**Military costume** *see* Arms and armor; Uniforms

**Military education**

**Military engineering**

*See also* Coast defense; Engineering; Fortification; Military architecture; Military bridges; Mines, Military; Railroads, Military

**Military government**

*See also* Martial law

**Military history**

*See also* Battles; History; Mercenary troops; Military biography; Naval history; Sieges; *also* names of wars, battles, places besieged, generals, etc., and names of countries, subheads Army, and History, Military

**Military hospitals** *see* Hospitals, Military

**Military hygiene**

*See also* Battlefield relief; Medicine, Military; Naval hygiene; Surgery, Military; *also* subhead Medical and sanitary affairs under particular wars

**Military law**

*See also* Courts martial; International law; Martial law; Mutiny

**Military life** *see* Army life

**Military maneuvers**

*See also* War games; Tactics

**Military medicine** *see* Medicine, Military

**Military music**

*See also* Bands (music); Bugle calls; Instrumentation and orchestration

*Refer from* Architecture; Architecture, Military (s); Armories; Arsenals; Barracks; Castles; Fortification; Military engineering

*Refer from* Armies; Army (s); Artillery; Cavalry; Drill (military); Fighting (s); Infantry; Military power (s); Military science (s); Ordnance; Science; Sieges; Soldiers; Strategy (s); Tactics; War

*Refer from* Biography; Generals; Military history; Soldiers

*Refer from* Bridges; Military engineering

*Refer from* Education; Education, Military (s); Military schools (s); Military training (s)

*Refer from* Engineering; Engineering, Military (s); Military architecture; Mines, Military

*Refer from* Colonies and colonization; Government; Martial law

*Refer from* Battles; History; History, Military (s); Naval history; Wars (s)

*Refer from* Armies; Battlefield relief; Hygiene; Hygiene, Military (s); Hygiene, Public; Medicine, Military; Naval hygiene; Occupations — Diseases and hygiene; Sanitation

*Refer from* Courts martial; International law; Law; Martial law

*Refer from* Armies; Maneuvers, Military (s); Manoeuvres, Military (s); Tactics; War games

*Refer from* Bands (music); Bugle calls; Instrumental music; Martial music (s); Music



Military power *see* Armies; Disarmament;  
Military art and science; Navies; Sea power  
Military railroads *see* Railroads, Military  
Military schools *see* Military education  
Military science *see* Military art and science

**Military service**

*See also* Conscription; Recruiting and enlistment

Military surgery *see* Surgery, Military

Military tactics *see* Tactics

Military training *see* Military education

Military trials *see* Courts martial

Military uniforms *see* Uniforms

**Militia**

*See also* Naval militia; *also* names of states and countries, subhead Militia

**Milk**

*See also* Butter; Cheese; Cows; Cream; Cream separators; Dairy bacteriology; Dairy products; Dairying; Kumiss; Milk supply; Milking

**Milk supply**

**Milking**

*See also* Dairying

**Milky way**

*See also* Astronomy

Millennial church *see* Shakers

**Millennium**

*See also* Christadelphians; Future life; Jesus Christ; Second advent

Millerites *see* Second adventists

**Millinery**

*See also* Artificial flowers; Costume; Feathers; Hats; Headgear

Milling (flour) *see* Flour and flour mills

**Milling machines**

*See also* Machine tools

**Millionaires**

*See also* Capitalists and financiers; Wealth

**Mills and millwork**

*See also* Factories; Flour and flour mills; Machinery; Manufactures; Rolling mills; Sawmills; Scientific management; Textile factories

**Mimicry**

*See also* Caricature and cartoons; Imitation

**Mimicry (biology)**

*See also* Animals — Habits and behavior; Color of animals

Mind *see* Intellect; Psychology

**Mind and body**

*See also* Brain; Christian science; Dreams; Dualism; Emmanuel movement; Ennui; Fatigue, Mental; Hypnotism; Inhibition; Insanity; Mental healing; Mental hygiene; Monism; Nervous system; New thought; Phrenology; Psychology; Psychology, Physiological; Subconsciousness; Suggestion; Worry

Mind cure *see* Mental healing

Mind in animals *see* Animal intelligence

*Refer from* Armies; Army life; Conscription; Recruiting and enlistment

*Refer from* Armies; Military art and science

*Refer from* Beverages; Cows; Cream; Dairy products; Dairying; Food

*Refer from* Food adulteration and inspection; Hygiene, Public; Milk

*Refer from* Cows; Dairying; Milk

*Refer from* Astronomy; Galaxy (s); Stars

*Refer from* Eschatology; Future life; Jesus Christ; Second advent; Theology

*Refer from* Costume; Domestic arts; Hats; Headgear

*Refer from* Machine tools; Machinery

*Refer from* Biography; Capitalists and financiers; Fortunes (s); Wealth

*Refer from* Architecture; Factories; Industrial arts; Machinery; Manufactures

*Refer from* Caricature and cartoons; Imitation

*Refer from* Animals; Animals — Habits and behavior; Biology; Color of animals; Evolution; Metachrosis (s); Protective mimicry (s)

*Refer from* Body and mind (s); Brain; Dualism; Hygiene; Hypnotism; Insanity; Medicine; Mental healing; Mental hygiene; Mental physiology (s); Monism; Nervous system; Philosophy; Physiology; Psychology; Psychology, Physiological





**Mind reading**

*See also* Clairvoyance; Hypnotism; Psychical research; Thought transference

Mind training *see* Mental discipline

**Mine accidents**

*See also* Fire damp; Mine fires; Safety lamps; *also* names of special mine disasters

Mine explosions *see* Mine accidents; Mine fires

**Mine fires**

*See also* Fire damp; Mine accidents; Safety lamps

Mine labor *see* Miners

Mine planting *see* Mines, Military

**Mine surveying****Mine ventilation**

*See also* Fire damp

Mineral lands *see* Mines and mineral resources; Ore deposits

Mineral oils *see* Oils and fats; Petroleum

Mineral resources *see* Mines and mineral resources

Mineral springs *see* Mineral waters

**Mineral waters**

*See also* Beverages; Geology, Economic; Health resorts; Sanatoriums; Sulphur springs

**Mineralogy**

*See also* Abrasives; Assaying; Blowpipe; Crystallography; Gems; Geochemistry; Geology; Hardness; Metals; Mines and mineral resources; Ores; Precious stones; Rare earths; Rocks; Stone; *also* names of minerals, e.g. Asbestos, Coal, Diamonds, Mica

Minerals *see* Mineralogy; Mines and mineral resources; Ores

**Miners****Mines, Military**

*See also* Blasting; Explosives; Military engineering; Mines, Submarine

**Mines, Submarine**

*See also* Torpedoes

**Mines and mineral resources**

*See also* Coal mines and mining; Copper mines and mining; Geology, Economic; Gold mines and mining; Hydraulic mining; Iron mines and mining; Lead mines and mining; Mercury; Metals; Mine accidents; Mine fires; Mine surveying; Mine ventilation; Mineralogy; Miners; Mining engineering; Mining laws; Mining machinery;

*Refer from* Clairvoyance; Psychical research; Psychology; Spiritualism; Telepathy (s); Thought transference

*Refer from* Accidents; Coal mines and mining; Disasters; Explosions; Fire damp; Mine explosions (s); Mine fires; Mines and mineral resources; Mining accidents (s); Occupations, Dangerous; Safety lamps

*Refer from* Fire damp; Fires; Mine accidents; Mine explosions (s); Mines and mineral resources; Safety lamps

*Refer from* Mines and mineral resources; Mining engineering; Surveying

*Refer from* Fire damp; Mines and mineral resources; Mining engineering; Ventilation; Ventilation of mines (s)

*Refer from* Beverages; Geochemistry; Geology, Economic; Health resorts; Hydrotherapy; Mineral springs (s); Springs; Sulphur springs; Therapeutics; Water

*Refer from* Blowpipe; Chemical geology (s); Chemistry; Chemistry — Analysis; Chemistry, Inorganic; Crystallography; Diamonds; Geochemistry; Geology; Metals; Minerals (s); Mines and mineral resources; Natural history; Ores; Precious minerals (s); Rare earths; Rocks; Science

*Refer from* Coal mines and mining; Labor and laboring classes; Mine labor (s); Mines and mineral resources; Mining life (s)

*Refer from* Blasting; Explosives; Fortification; Military art and science; Military engineering; Mine planting (s); Sieges; Tunnels

*Refer from* Coast defense; Mines, Military; Naval art and science; Submarine mines (s); Submarine warfare; Torpedoes

*Refer from* Conservation of resources; Earth; Geology, Economic; Hydraulic mining; Metals; Mineral lands (s); Mineral resources (s); Mineralogy; Minerals (s); Mining (s); Natural resources; Ore deposits; Ores; Precious minerals (s); Prospecting; Quarries and quarrying



**Mines and mineral resources — Continued**

Natural resources; Ore deposits; Ores;  
Precious metals; Prospecting; Quarries and  
quarrying; Salt; Shaft sinking; Silver mines  
and mining; Sulphur; Tin; Zinc

— U. S.

**Miniature painting**

Mining *see* Mines and mineral resources;

Mining engineering

Mining accidents *see* Mine accidents

**Mining engineering**

*See also* Blasting; Boring; Explosives;  
Electricity in mining; Hydraulic mining;  
Mine surveying; Mine ventilation; Mining  
machinery; Mining schools and education;  
Rock drills; Shaft sinking; Tunnels

**Mining laws**

Mining life *see* Miners

**Mining machinery**

*See also* Conveying machinery; Electricity  
in mining; Excavating machinery; Hoisting  
machinery; Rock drills

**Mining schools and education**

**Ministers of state**

*See also* Ambassadors; Chancellors, Lord;  
Diplomacy; International law; Internation-  
al relations; Prime ministers; Treaties

Ministers of the gospel *see* Clergy; Preachers;  
Priests

**Minnesingers**

*See also* German poetry; Meistersingers

Minorites *see* Franciscans

Minority representation *see* Proportional rep-  
resentation

**Minstrel shows**

**Minstrels**

*See also* Bards; Meistersingers; Minne-  
singers; Troubadours; Trouvères; Way-  
faring life

**Mints**

*See also* Coinage

Miocene period *see* Geology, Stratigraphic —

Miocene; Paleontology — Miocene

**Miracle, morality and mystery plays**

*See also* Drama; Passion plays

**Miracles**

*See also* Christianity — Evidences; Holy  
wells; Jesus Christ — Miracles; Mary, Vir-  
gin; Relics; Saints; Shrines; Spiritualism;  
Supernatural

**Mirage**

**Mirrors**

**Misers**

*See also* Avarice

*Refer from* U. S.— Industries and resources;  
U. S.— Mines and mineral resources (s)

*Refer from* Art; Painting; Portrait painting

*Refer from* Blasting; Civil engineering;  
Coal mines and mining; Electricity in mining;  
Engineering; Engineering, Mining (s); Hy-  
draulic engineering; Mines and mineral re-  
sources; Mining (s); Shaft sinking; Tunnels

*Refer from* Labor laws; Law; Mines and  
mineral resources

*Refer from* Conveying machinery; Electricity  
in mining; Excavating machinery; Hoisting  
machinery; Machinery; Mines and mineral  
resources; Mining engineering; Rock drills

*Refer from* Mining engineering; Technical  
education

*Refer from* Biography; Statesmen

*Refer from* Bards; German poetry; Lyric  
poetry; Meistersingers; Minstrels; Poetry;  
Poets

*Refer from* Amusements; Negro minstrels (s);  
Theater

*Refer from* Bards; Poets; Wayfaring life

*Refer from* Coinage; Money

*Refer from* Drama; English drama; Morality  
plays (s); Mysteries (dramatic) (s); Mystery  
plays (s); Passion plays; Theater

*Refer from* Bible; Catholic church; Christian-  
ity; Christianity — Evidences; Church history;  
Divine healing (s); Faith cure; Jesus Christ;  
Relics; Religion; Shrines; Supernatural; The-  
ology

*Refer from* Deserts; Optical illusions

*Refer from* Aberration; Furniture; Glass  
manufacture; Looking-glasses (s)

*Refer from* Avarice; Thrift; Wealth



**Misfortune**

*See also* Affliction

Misrepresentation *see* Fraud

**Missals**

*See also* Catholic church — Liturgy and ritual; Liturgies; Mass

**Missing link****Missionaries**

*See also* Christian biography; Missions; Student volunteer movement

**Missionary societies****Missions**

*See also* Bible — Publication and distribution; Conversion; Evangelistic work; Indians — Missions; Missionaries; Missionary societies; Revivals; Student volunteer movement; Tract societies; *also* names of churches and religious orders, subhead Missions, e.g. Catholic church — Missions; Church of England — Missions; Jesuits — Missions

**—Foreign**

*See also* Missions, Medical; Student volunteer movement

**—Home**

*See also* City missions; Indians — Missions

**—Medical****—Seamen****Missouri compromise**

*See also* Kansas-Nebraska bill; U. S.—History — 1815-1861

Mistakes *see* Blunders; Errors, Popular; Errors and blunders, Literary

Mitosis *see* Karyokinesis

Mnemonics *see* Memory

Mobs *see* Crowds; Lynch law; Riots

Mock trials *see* Moot courts

**Modeling**

*See also* Arts and crafts; Plaster casts; Sculpture

Modern history *see* History, Modern

Modern philosophy *see* Philosophy, Modern

**Modernism****Modulation**

*See also* Harmony

Moghul empire *see* Mogul empire

**Mogul empire**

*See also* India — History

Mohammedan architecture *see* Architecture, Mohammedan

**Mohammedanism**

*See also* Arabs; Babism; Caliphs; Dervishes; Koran; Mecca; Moors; Moors in Spain; Mosques; Panislamism; Saracens; Sufism; Turkey — History; Wahabis

*Refer from* Adversity (s); Affliction; Trouble (s)

*Refer from* Catholic church — Liturgy and ritual; Church music; Illumination of manuscripts and books; Liturgies; Mass

*Refer from* Evolution; Man — Origin and antiquity

*Refer from* Christian biography; Evangelists (s); Heroes; Missions

*Refer from* Missions; Societies

*Refer from* Christianity; Church extension (s); Church history; Church work; Conversion; Evangelistic work; Missionaries; Religion

*Refer from* Foreign missions (s)

*Refer from* Home missions (s)

*Refer from* Charities, Medical; Medical missions (s); Medicine; Missions, Foreign

*Refer from* Fishermen; Sailors; Sailors' missions (s); Seamen's missions (s)

*Refer from* Missouri — History; Slavery in the U. S.; U. S.—History — 1815-1861

*Refer from* Arts and crafts; Clay; Clay modeling (s); Manual training; Plaster casts; Sculpture

*Refer from* Bible — Criticism and interpretation; Catholic church; Liberalism; Religion and science; Theology

*Refer from* Harmony; Music; Music — Theory

*Refer from* India — History; Moghul empire (s); Mongols

*Refer from* Arabs; Babism; Caliphs; Dervishes; Islam (s); Koran; Mahommedanism (s); Moors; Moslems (s); Mohammedanism (s); Muslims (s); Musselmans (s); Polygamy; Religions; Saracens; Sufism; Wahabis



Moisture of soils *see* Soil moisture

Moisture of the air *see* Humidity

**Molasses**

*See also* Sorghum

**Mold**

*See also* Fungi

—Vegetable, *see* Soils

Molding *see* Foundry work

**Moldings**

*See also* Architecture

**Molecules**

*See also* Atoms; Chemistry; Chemistry, Physical; Physics; Stereochemistry

**Mollusks**

*See also* Bivalves; Cephalopoda; Gasteropoda; Invertebrates; Marine zoology; Oysters; Pearls

—Fossil

Monachism *see* Monasticism

Monadism *see* Monadology

**Monadology**

Monads (philosophy) *see* Monadology

Monarchs *see* Kings and rulers

**Monarchy**

*See also* Coronations; Courts and courtiers; Democracy; Despotism; Divine right of kings; Emperors; Government; Kings and rulers; Princes and princesses; Queens and empresses; Regency; Tyranny

**Monasteries**

*See also* Abbeys; Convents and nunneries; Monasticism

Monastic orders *see* Monasticism; Religious orders

**Monasticism**

*See also* Asceticism; Augustinians; Benedictines; Brotherhoods; Buddhism; Capuchins; Carthusians; Celibacy; Cistercians; Convents and nunneries; Dominicans; Franciscans; Jesuits; Monasteries; Nuns; Religious orders; Sisterhoods; Trappists

**Money**

*See also* Bank notes; Banks and banking; Bimetallism; Business; Capital; Checks; Coinage; Commerce; Counterfeits; Credit; Decimal system; Exchange; Finance; Foreign exchange; Gold (as money); Greenbacks; Interest; Investments; Legal tender; Mints; Numismatics; Paper money; Prices; Shell money; Silver (as money); Stock exchange; Wampum; Wealth

*Refer from* Sorghum; Sugar; Syrups; Treacle (s)

*Refer from* Fungi; Mould (s)

*Refer from* Architecture; Carpentry; Decoration and ornament; Mouldings (s)

*Refer from* Atoms; Chemistry; Chemistry, Physical; Matter; Physics

*Refer from* Bivalves; Cephalopoda; Conchology (s); Gasteropoda; Invertebrates; Malacology (s); Marine zoology; Shells (conchology) (s)

*Refer from* Fossil mollusks (s); Invertebrates, Fossil; Paleontology

*Refer from* Metaphysics; Monadism (s); Monads (philosophy) (s); Philosophy; Universe

*Refer from* Constitutional law; Democracy; Despotism; Divine right of kings; Executive power; Government; Kings and rulers; Kingship (s); Magistrates; Princes and princesses; Queens and empresses; Royalty (s); Rulers (s); Sovereigns (s)

*Refer from* Abbeys; Catholic church; Church property; Cloisters (s); Convents and nunneries; Monasticism

*Refer from* Asceticism; Augustinians; Benedictines; Brotherhoods; Capuchins; Carthusians; Catholic church; Catholic church—Clergy; Celibacy; Christian biography; Christian life and character; Church discipline; Church history; Church polity; Cistercians; Clergy; Convents and nunneries; Dominicans; Franciscans; Friars (s); Middle ages; Monachism (s); Monasteries; Monastic orders (s); Monks (s); Orders, Monastic (s); Religion; Religious orders

*Refer from* Banks and banking; Bills of credit (s); Bills of exchange (s); Bimetallism; Bullion (s); Business; Capital; Coinage; Commerce; Counterfeits; Credit; Currency (s); Economics; Exchange; Finance; Foreign exchange; Gold (as money); Legal tender; Numismatics; Paper money; Precious metals; Silver (as money); Specie (s); Standard of value (s); Stock exchange; Value; Wealth





**Moraines**

*See also* Boulders; Drift; Glaciers; Physical geography

Moral conditions *see* names of countries and cities, subhead Moral conditions

**Moral education**

*See also* Character; Children — Management; Religious education

Moral philosophy *see* Ethics

Morality *see* Ethics

Morality plays *see* Miracle, morality and mystery plays

Morals *see* Ethics, and names of countries, subhead Moral conditions

Morasses *see* Marshes

**Moravians**

Moriscos *see* Moors in Spain

**Mormons and Mormonism**

*See also* Salt Lake City; Utah

Morphia *see* Morphine

**Morphine**

*See also* Narcotic habit; Narcotics; Opium

**Morphology**

*See also* Anatomy; Biology; Botany, Structural; Cells; Embryology; Histology

Morphology of plants *see* Botany, Structural

**Morris dance**

*See also* Dancing

**Mortality**

*See also* Death; Vital statistics

Mortar *see* Cement

**Mortgages**

*See also* Investments; Real estate; Securities

**Mortmain**

Mortuary customs *see* Burial; Cremation; Death; Embalming; Funeral rites and ceremonies; Indians — Mortuary customs; Urn burial

**Mosaic law**

*See also* Antinomianism; Commandments; Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Jews — Law

**Mosaics**

*See also* Arts and crafts; Inlay; Mural painting and decoration

Moslems *see* Mohammedanism

**Mosques**

*See also* Architecture, Mohammedan; Architecture, Oriental

*Refer from* Boulders; Drift; Geology; Glaciers; Physical geography

*Refer from* Children — Management; Education; Education, Moral (s); Ethical education (s); Ethics; Religious education

*Refer from* Bohemian brethren (s); Herrnhuters (s); Sects; Unitas fratrum (s); United brethren (s)

*Refer from* Church of Christ of latter-day saints (s); Church of Jesus Christ of latter-day saints (s); Latter-day saints (s); Polygamy; Religions; Salt Lake City; Sects; Utah

*Refer from* Alkaloids; Morphia (s); Narcotic habit; Narcotics; Opium

*Refer from* Anatomy; Anatomy, Comparative; Biology; Comparative morphology (s); Organography (s); Physiology

*Refer from* Dancing; England — Social life and customs

*Refer from* Death; Death rate (s); Vital statistics

*Refer from* Chattel mortgages (s); Commercial law; Contracts; Conveyancing; Forms (in law); Incumbrances (s); Investments; Land titles; Law; Liens; Loans; Negotiable instruments; Property; Real estate; Securities  
*Refer from* Charities; Land tenure; Law; Legacies; Trustees

*Refer from* Bible — Old Testament — Deuteronomy; Bible — Old Testament — Leviticus; Commandments; Jews — Law; Jews — Religion; Law

*Refer from* Art; Arts and crafts; Decoration and ornament; Floors; Inlay; Mural painting and decoration; Pavements

*Refer from* Architecture; Architecture, Mohammedan; Architecture, Oriental; Church architecture; Mohammedanism; Temples



**Mosquitoes**

*See also* Diptera; Insects as carriers of contagion; Malaria; Yellow fever

Moss *see* Mosses

**Mosses**

*See also* Algae; Cryptogams; Lichens

Most favored nation clause *see* Commercial treaties

Motherhood *see* Mothers

**Mothers**

*See also* Children; Home; Matriarchy; Parents; Women

**Mothers' clubs**

*See also* Child study; Women's clubs

**Moths**

*See also* Caterpillars; Codling moth; Cutworms; Gipsy moth; Lepidoptera; Silkworms

**Motion**

*See also* Animal locomotion; Dynamics; Force and energy; Kinematics; Locomotion; Mechanical movements; Mechanics; Motors; Perpetual motion; Rotation; Velocity; Vibration

Motion pictures *see* Moving pictures

**Motor boats**

Motor carriages *see* Automobiles

**Motor cycles**

Motor vehicles *see* Automobiles

Motoring *see* Automobile touring; Automobiles

**Motors**

*See also* Aeronautic motors; Alcohol motors; Automobiles; Compressed air; Dynamos; Electric motors; Engines; Farm motors; Gas and oil engines; Hydraulic motors; Locomotives; Machinery; Solar motors; Steam engines; Turbines; Water wheels; Windmills

**Mottoes**

*See also* Devices; Heraldry; Quotations

Mould *see* Mold

Moulding *see* Foundry work

Mouldings *see* Moldings

Mound builders *see* Mounds and mound builders

**Mounds and mound builders**

*See also* Earthworks (archaeology); Indians — Antiquities; Kitchen middens; U. S. — Antiquities

Mountain climbing *see* Mountaineering

**Mountain railroads**

*See also* Cable railroads; Suspended railways

*Refer from* Contagion and contagious diseases; Diptera; Household pests; Insects, Injurious and beneficial; Insects as carriers of contagion; Malaria; Yellow fever

*Refer from* Bryology (s); Bryophytes (s); Cryptogams; Moss (s)

*Refer from* Children; Family; Home; Love; Maternity (s); Motherhood (s); Parents; Wives; Women

*Refer from* Child study; Clubs; Social settlements; Women's clubs

*Refer from* Caterpillars; Insects, Injurious and beneficial; Lepidoptera

*Refer from* Dynamics; Force and energy; Kinematics; Kinetics (s); Mechanics; Physics; Vibration

*Refer from* Autoboats (s); Boats and boating; Electric boats (s); Electric launches (s); Gasoline launches (s); Launches (s); Navigation; Power boats (s); Shipbuilding

*Refer from* Automobiles; Bicycles and tricycles; Cycles, Motor (s); Cycling

*Refer from* Automobiles; Engines; Machinery; Mechanics; Motion; Physics; Power; Power transmission

*Refer from* Devices; Emblems; Heraldry; Literature; Quotations

*Refer from* Archaeology; Barrows (s); Burial; Earthworks (archaeology); Ethnology; Grave mounds (s); Graves (s); Indians; Indians — Antiquities; Kitchen middens; Mound builders (s); Tombs; Tumuli (s); U. S. — Antiquities

*Refer from* Cable railroads; Railroads



Mountain whites *see* Mountaineers of the South  
**Mountaineering**

*See also* Alpine clubs

**Mountaineers of the South**

**Mountains**

*See also* Alpine clubs; Alpine plants; Avalanches; Geology; Mountaineering; Physical geography; Volcanoes; *also* names of mountains

**Mourning customs**

Mouse *see* Mice

**Mouth**

*See also* Teeth

Movement cure *see* Gymnastics, Medical; Mechanotherapy; Swedish movement cure

Movements of animals *see* Animal locomotion; Irritability

Movements of plants *see* Plants — Movements  
**Moving pictures**

*Refer from* Alpine clubs; Mountain climbing (s); Mountains; Outdoor life; Sports

*Refer from* Cumberland Mountains; Kentucky; Mountain whites (s); Southern states; Tennessee

*Refer from* Avalanches; Geology; Orology (s); Physical geography

*Refer from* Death; Funeral rites and ceremonies; Manners and customs

*Refer from* Anatomy; Dentistry; Digestive system; Face; Head

*Refer from* Amusements; Animatograph (s); Biograph (s); Chronophotography (s); Cinematograph (s); Entertainments; Kinematograph (s); Kinetograph (s); Kinetoscope (s); Motion pictures (s); Photography; Pictures; Theater; Vitagraph (s); Vitascope (s)

*Refer from* Farm implements and machinery; Harvesting machinery

**Mowing machines**

*See also* Farm implements and machinery

Muhammedanism *see* Mohammedanism

Multiple personality *see* Personality

**Mummies**

*See also* Egypt — Antiquities; Embalming

**Municipal accounts**

*See also* Accounting; Municipal finance

Municipal administration *see* Municipal government

**Municipal art**

*See also* Cities — Planning and laying out; Municipal centers; Municipal improvement; Public buildings

Municipal bonds *see* Bonds

Municipal buildings *see* Public buildings

**Municipal centers**

*See also* Cities — Planning and laying out; Public buildings

Municipal charters *see* Charters; *also* names of cities, subhead Charters

**Municipal corporations**

*See also* Boroughs; Cities; Courts, Municipal; Municipal government; Municipal law; Towns

Municipal corruption *see* Political corruption

Municipal courts *see* Courts, Municipal

Municipal debts *see* Municipal finance

**Municipal engineering**

*See also* Municipal improvement; Pavements; Public works; Refuse and refuse disposal; Sanitary engineering; Sewerage;

*Refer from* Engineering; Engineering, Municipal (s); Public works; Sanitary engineering



Street cleaning; Streets; Water — Purification; Water supply

**Municipal finance**

*See also* Bonds; Municipal accounts; Municipal government

**Municipal franchises**

*See also* Public service corporations

**Municipal government**

*See also* Charters; Cities; Local government; Municipal corporations; Municipal finance; Municipal ownership; Police; Recall; Referendum

— **Commission plan**

**Municipal improvement**

*See also* Baths, Public; Billposting; Building laws; Cemeteries; Cities — Planning and laying out; Electric wire and wiring; Fire protection; Garden cities; Harbors; Housing problem; Hygiene, Public; Landscape gardening; Lighting; Municipal art; Municipal centers; Neighborhood improvement; Noise; Parks; Pavements; Playgrounds; Preservation of landmarks, scenery, etc.; Public comfort stations; Railroads — Crossings; Refuse and refuse disposal; Sanitary engineering; Signs; Smoke; Streets; Tenement houses; Vacant lot cultivation

**Municipal law**

*See also* Corporation law; Law; Municipal corporations

**Municipal ownership**

*See also* Government ownership; Government regulation of industry; Municipal government; Public service corporations

Municipal reference libraries *see* Libraries, Municipal reference

Municipal reform *see* Municipal government

Municipal trading *see* Municipal ownership

Municipalities *see* Cities

Mural decoration *see* Mural painting and decoration

**Mural painting and decoration**

*See also* Frescoes; Gesso; House painting; Mosaics; Plaster and plastering; Stucco; Tapestry; Wall paper

**Murder**

*See also* Assassination; Capital punishment; Dacoits; Infanticide; Poisons; Suicide; Thugs; Treason

**Muscles**

*See also* Anatomy; Muscular sense; Physical education; Physiology

*Refer from* Finance; Municipal accounts; Municipal debts (s); Municipal government; Taxation

*Refer from* Charters; Franchises, Municipal (s); Public service corporations

*Refer from* Cities; City government (s); Civics (s); Government; Local government; Municipal administration (s); Municipal corporations; Municipal finance; Municipal ownership; Municipal reform (s); Social problems; Towns

*Refer from* Civil service reform; Commission government (s); Des Moines plan of city government (s); Galveston plan of city government (s); Government by commission (s)

*Refer from* Cities — Planning and laying out; City improvement (s); Civic improvement (s); Landscape gardening; Municipal art; Municipal engineering; Parks

*Refer from* Corporation law; Law; Municipal corporations

*Refer from* Government ownership; Government regulation of industry; Monopolies; Municipal government; Municipal trading (s); Public ownership (s); Public service corporations

*Refer from* Architecture; Art; Ceilings; Decoration and ornament; Frescoes; House decoration; House painting; Mosaics; Mural decoration (s); Painting; Plaster and plastering; Wall decoration (s); Wall painting (s); Wall paper; Walls

*Refer from* Assassination; Crime and criminals; Criminal law; Death; Homicide (s)

*Refer from* Anatomy; Animal locomotion; Electrophysiology; Histology; Muscular action (s); Myodynamics (s); Myology (s); Physiology





**Muscular action** *see* Muscles

**Muscular sense**

*See also* Psychology, Physiological

**Museums**

*See also* Art — Galleries and museums; Botanical museums; Exhibitions; *also* names of museums, and names of cities, subhead Galleries and museums

**Mushrooms**

*See also* Cookery — Mushrooms; Fungi

**Music**

*See also* Anecdotes, Musical; Anthems; Bands (music); Bible — Music; Cantatas; Carols; Chamber music; Chants; Choirs; Choral music; Church music; Composition (music); Concerts; Counterpoint; Dance music; Fugue; Glees; Harmony; Hymns; Indians — Music; Instrumental music; Instrumentation and orchestration; Masses (music); Melody; Military music; Modulation; Musical accompaniment; Musical festivals; Musical form; Musical instruments, and names of instruments; Musical societies; Musicians; National songs; Opera; Oratorios; Orchestral music; Orchestras; Overtures; Phrasing (music); Program music; Rhythm; Scale (music); School music; Sight reading; Singing and voice culture; Sonatas; Songs; Sound; Symphonies; Voice

— Anecdotes, *see* Anecdotes, Musical

— **Appreciation**

*See also* Musical form

— Biography, *see* Musicians

— **Dictionaries**

— **Essays, addresses, etc.**

— **History and criticism**

*See also* Music — Philosophy and esthetics

— Indians, *see* Indians — Music

— **Instruction and study**

*See also* Instrumentation and orchestration; Piano — Instruction and study; Sight reading; Singing and voice culture; *also* names of schools and of instruments

— **Jews**

*See also* Bible — Music

— **Notation**

*See also* Tonic sol-fa

— **Philosophy and esthetics**

*See also* Music — Appreciation

— **Scores**

*See also* Choruses and part songs; Duets, Instrumental; Duets, Vocal; Opera — Scores; Orchestral music; Organ music; Piano music — Scores; Sonatas; Songs — Scores; Symphonies; Violin music

— Study and teaching, *see* Music — Instruction and study

*Refer from* Muscles; Psychology; Psychology, Physiological; Senses and sensation

*Refer from* Exhibitions

*Refer from* Food; Fungi; Toadstools (s)

*Refer from* Art; Composition (music); Instrumental music; Singing and voice culture; Sound; Vocal music (s); Voice

*Refer from* Appreciation of music (s); Music — Philosophy and esthetics; Musical form

*Refer from* Criticism

*Refer from* Education, Musical (s); Music — Study and teaching (s); Musical education (s); Piano — Instruction and study

*Refer from* Bible — Music; Jews — Music (s)

*Refer from* Musical notation (s); Notation (music) (s)

*Refer from* Esthetics; Music — History and criticism; Music — Theory

*Refer from* Scores (music) (s)



**Music** — Continued

— **Theory**

*See also* Canon (music); Composition (music); Counterpoint; Fugue; Harmony; Melody; Modulation; Music — Philosophy and esthetics; Musical form

— **U. S.**

*See also* Indians — Music; Songs, American

**Music halls**

*See also* Vaudeville

**Musical accompaniment**

Musical anecdotes *see* Anecdotes, Musical

Musical composition *see* Composition (music)

Musical education *see* Music — Instruction and study

**Musical festivals**

**Musical form**

*See also* Canon (music); Fugue; Music — Appreciation; Phrasing (music); Sonatas

**Musical instruments**

*See also* Flute; Guitar; Harp; Harpsichord; Instrumental music; Instrumentation and orchestration; Orchestral music; Organ; Piano; Reed organ; Stringed instruments; Tuning; Tuning forks; Violin; Violoncello; Wind instruments

Musical notation *see* Music — Notation

**Musical societies**

*See also* Choral societies; Musical festivals

**Musicians**

*See also* Anecdotes, Musical; Organists; Pianists; Singers; Violinists

Muslims *see* Mohammedanism

Mussulmans *see* Mohammedanism

Mutation *see* Variation (biology)

**Mutiny**

Mutual aid societies *see* Benefit societies

Mutual benefit societies *see* Benefit societies

Mycology *see* Fungi

Myodynamics *see* Muscles

Myology *see* Muscles

**Myopia**

*See also* Eye — Diseases and defects

**Myriapoda**

*See also* Arthropoda

Mysteries (dramatic) *see* Miracle, morality and mystery plays

**Mysteries (religious)**

*See also* Eleusinian mysteries; Mythology; Oracles

Mystery plays *see* Miracle, morality and mystery plays

**Mysticism**

*See also* Cabala; Neoplatonism; Quietism; Rosicrucians; Sufism

Mythical animals *see* Animals, Mythical

*Refer from* Harmony

*Refer from* U. S. — Music (s)

*Refer from* Concert halls (s); Theaters

*Refer from* Accompaniment, Musical (s); Composition (music); Music; Piano — Instruction and study; Singing and voice culture

*Refer from* Festivals; Music; Musical societies

*Refer from* Canon (music); Form, Musical (s); Fugue; Music; Music — Appreciation; Music — Theory; Phrasing (music); Sonatas

*Refer from* Flute; Harpsichord; Instrumental music; Instrumentation and orchestration; Instruments; Music; Organ; Piano; Stringed instruments; Violin; Violoncello; Wind instruments

*Refer from* Choral societies; Music; Societies

*Refer from* Artists; Biography; Composers (s); Music; Music — Biography (s); Organists; Pianists; Singers; Violinists

*Refer from* Crime and criminals; Maritime law; Military law

*Refer from* Eye — Diseases and defects; Near-sightedness (s); Nearsightedness (s); Short-sightedness (s); Sight

*Refer from* Arthropoda

*Refer from* Mythology; Religion; Religious mysteries (s); Rites and ceremonies

*Refer from* Philosophy; Quietism; Religion; Rosicrucians; Theology



## **Mythology**

*See also* Animal worship; Animals, Mythical; Archaeology; Astronomical mythology; Classical dictionaries; Fairy tales; Fauns; Folklore; Legends; Mysteries (religious); Nature myths; Religions; Superstition; Totems and totemism

### **—Celtic**

*See also* Druids

### **—Classical**

*See also* Amazons; Argonauts; Classical dictionaries; Eleusinian mysteries

### **—Germanic**

*See also* Mythology, Norse

### **—Greek, *see* Mythology, Classical**

### **—Indians, *see* Indians — Religion**

### **—Norse**

*See also* Eddas; Mythology, Germanic; Sagas

### **—Roman, *see* Mythology, Classical**

### **—Scandinavian, *see* Mythology, Norse**

### **—Slavic**

### **—Teutonic, *see* Mythology, Germanic**

## **N rays**

## **Nagualism**

## **Nails and spikes**

## **Names**

*See also* Botany — Nomenclature; Epithets; Indians — Names; Medicine — Nomenclature; Words; Zoology — Nomenclature

### **—Geographical**

*See also* Gazetteers; Indians — Names

### **—Personal**

*See also* Indians — Names; Nicknames; Pseudonyms

## **Napoleonic wars**

*See also* Europe — History — 1789–; France — History — Consulate and empire; Peninsular war, 1807–1814; Waterloo, Battle of

## **Narcotic habit**

*See also* Cocaine; Morphine; Narcotics; Opium

## **Narcotics**

*See also* Hashish; Morphine; Narcotic habit; Opium; Tobacco

## **Narragansett Indians**

*See also* Algonquian Indians

*Refer from* Archaeology; Comparative mythology (s); Creation; Ethnology; Folklore; God; Heroes; Legends; Mysteries (religious); Paganism; Religion; Religions; Superstition

*Refer from* Celtic mythology (s); Druids

*Refer from* Amazons; Argonauts; Classical antiquities; Classical mythology (s); Eleusinian mysteries; Greek mythology (s); Mythology, Greek (s); Mythology, Roman (s); Roman mythology (s)

*Refer from* Germanic mythology (s); Mythology, Norse; Mythology, Teutonic (s); Teutonic mythology (s)

*Refer from* Mythology, Germanic; Mythology, Scandinavian (s); Norse mythology (s); Northern mythology (s); Scandinavian mythology (s)

*Refer from* Slavic mythology (s)

*Refer from* Light; Radiation; X rays

*Refer from* Central America — Religion; Indians of Mexico; Mexico — Antiquities; Mexico — Religion; Religions

*Refer from* Hardware; Railroad spikes (s); Spikes (s)

*Refer from* Epithets; Etymology; Language; Nomenclature (s); Terminology (s); Words

*Refer from* Gazetteers; Geographical names (s); Geography; Place names (s); Proper names (s)

*Refer from* Christian names (s); Forenames (s); Personal names (s); Proper names (s); Surnames (s)

*Refer from* England — History — 1714–1837; Europe — History — 1789–; France — History — Consulate and empire; French revolution; Germany — History — 1740–1815; Italy — History — 1789–1815; Peninsular war, 1807–1814; Waterloo, Battle of

*Refer from* Cocaine; Drug habit (s); Hygiene; Morphine; Narcotics; Opium; Temperance

*Refer from* Drugs; Hashish; Hygiene; Insomnia; Medicine; Morphine; Narcotic habit; Opium; Poisons; Therapeutics

*Refer from* Algonquian Indians



Nasal passages *see* Nose

Natal stones *see* Birth stones

National bank notes *see* Bank notes

**National banks**

*See also* Bank notes; Banks and banking; Banks and banking — U. S.

National cemeteries *see* Cemeteries, National

**National characteristics**

*See also* Ethnopsychology; *also* names of races, and names of countries, subhead Social life and customs

—**American**

*See also* U. S. — Social life and customs; Women in the U. S.

National debts *see* Debts, Public

National ethics *see* State ethics

**National flowers**

National guard, U. S., *see* U. S. — Militia; *also* names of states, e.g. New York (state) — Militia

National holidays *see* Holidays

National hymns *see* National songs

National ownership *see* Government ownership

**National parks and reserves**

*See also* Forest reserves

National resources *see* Natural resources; *also* names of countries, subhead Industries and resources

National road *see* Cumberland road

**National songs**

*See also* Folk songs; War songs

**National university for the U. S.**

Nationalism *see* Government ownership; Nationalism, New; Socialism

**Nationalism, New**

Nationalization of land *see* Land nationalization

**Nations**

Nations, Law of, *see* International law

Native races *see* Ethnology; Race problems; *also* names of aboriginal races, e.g. Indians

Nativity of Christ *see* Jesus Christ — Birth

Natural gas *see* Gas, Natural

**Natural history**

*See also* Animals; Anthropology; Aquariums; Bible — Natural history; Biology; Botany; Chemistry; Ecology; Evolution; Geology; Man; Microscope and microscopy; Mineralogy; Naturalists; Nature; Nature study; Ocean; Outdoor life; Paleontology; Physical geography; Physics; Plants; Science; Taxidermy; Zoology

—**U. S.**

*See also* Botany — U. S.; Zoology — U. S.

*Refer from* Banks and banking; Banks and banking — U. S.

*Refer from* Character; Characteristics, National (s); Ethnology; Ethnopsychology; Manners and customs; Race characteristics (s); Social psychology

*Refer from* U. S. — National characteristics (s); U. S. — Social life and customs; Women in the U. S.

*Refer from* Flowers; Flowers, National (s)

*Refer from* Forest reserves; Parks; Public lands; U. S. — Military reservations (s); U. S. — National parks and reserves (s); U. S. — Public lands

*Refer from* Folk songs; Music; National hymns (s); Patriotic songs (s); Songs; Songs, American [etc.]

*Refer from* Colleges and universities — U. S.; University of the U. S., Proposed (s)

*Refer from* Federal government; Nationalism (s); New nationalism (s); State rights; U. S. — Government

*Refer from* Ethnology; Government; People

*Refer from* Animal lore; Animals; Biology; Botany; History, Natural (s); Natural science (s); Nature; Nature study; Outdoor life; Plants; Science; Zoology

*Refer from* U. S. — Natural history (s)





Nasal passages *see* Nose

Natal stones *see* Birth stones

National bank notes *see* Bank notes

**National banks**

*See also* Bank notes; Banks and banking; Banks and banking — U. S.

National cemeteries *see* Cemeteries, National

**National characteristics**

*See also* Ethnopsychology; *also* names of races, and names of countries, subhead Social life and customs

— **American**

*See also* U. S. — Social life and customs; Women in the U. S.

National debts *see* Debts, Public

National ethics *see* State ethics

**National flowers**

National guard, U. S., *see* U. S. — Militia; *also* names of states, e.g. New York (state) — Militia

National holidays *see* Holidays

National hymns *see* National songs

National ownership *see* Government ownership

**National parks and reserves**

*See also* Forest reserves

National resources *see* Natural resources; *also* names of countries, subhead Industries and resources

National road *see* Cumberland road

**National songs**

*See also* Folk songs; War songs

**National university for the U. S.**

Nationalism *see* Government ownership; Nationalism, New; Socialism

**Nationalism, New**

Nationalization of land *see* Land nationalization

**Nations**

Nations, Law of, *see* International law

Native races *see* Ethnology; Race problems; *also* names of aboriginal races, e.g. Indians

Nativity of Christ *see* Jesus Christ — Birth

Natural gas *see* Gas, Natural

**Natural history**

*See also* Animals; Anthropology; Aquariums; Bible — Natural history; Biology; Botany; Chemistry; Ecology; Evolution; Geology; Man; Microscope and microscopy; Mineralogy; Naturalists; Nature; Nature study; Ocean; Outdoor life; Paleontology; Physical geography; Physics; Plants; Science; Taxidermy; Zoology

— **U. S.**

*See also* Botany — U. S.; Zoology — U. S.

*Refer from* Banks and banking; Banks and banking — U. S.

*Refer from* Character; Characteristics, National (s); Ethnology; Ethnopsychology; Manners and customs; Race characteristics (s); Social psychology

*Refer from* U. S. — National characteristics (s); U. S. — Social life and customs; Women in the U. S.

*Refer from* Flowers; Flowers, National (s)

*Refer from* Forest reserves; Parks; Public lands; U. S. — Military reservations (s); U. S. — National parks and reserves (s); U. S. — Public lands

*Refer from* Folk songs; Music; National hymns (s); Patriotic songs (s); Songs; Songs, American [etc.]

*Refer from* Colleges and universities — U. S.; University of the U. S., Proposed (s)

*Refer from* Federal government; Nationalism (s); New nationalism (s); State rights; U. S. — Government

*Refer from* Ethnology; Government; People

*Refer from* Animal lore; Animals; Biology; Botany; History, Natural (s); Natural science (s); Nature; Nature study; Outdoor life; Plants; Science; Zoology

*Refer from* U. S. — Natural history (s)



**Natural law**

*See also* International law

Natural philosophy *see* Physics

**Natural religion**

*See also* Atheism; Christianity; Creation; Deism; Ethics; Future life; God; Naturalism; Religion; Religion and science; Theology

**Natural resources**

*See also* Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Geology, Economic; Mines and mineral resources; Water power

Natural rights *see* Natural law

Natural scenery *see* Landscape

Natural science *see* Natural history; Physics; Science

**Natural selection**

*See also* Evolution; Heredity; Species

Natural theology *see* Natural religion

**Naturalism**

*See also* Agnosticism; Materialism; Positivism; Realism

**Naturalism in art**

*See also* Idealism in art; Realism in art

**Naturalism in literature**

*See also* Idealism in literature; Realism in literature

**Naturalists**

*See also* Botanists; Entomologists; Ornithologists; Scientists; Zoologists

**Naturalization**

*See also* Alien and sedition laws, 1798; Aliens; Citizenship

**Nature**

*See also* Animals; Botany; Earth; Evolution; Natural history; Nature in literature; Nature in poetry; Nature myths; Nature study; Outdoor life; Plants; Science; Seasons; Zoology

Nature, Law of, *see* Natural law

**Nature in literature**

*See also* Nature in poetry

**Nature in poetry**

*See also* Nature in literature; Pastoral poetry

**Nature myths**

*See also* Animal lore; Astronomical mythology; Plant lore

**Nature photography**

*See also* Photography — Animals; Photography — Plants

**Nature study**

*See also* Animals; Animals — Habits and behavior; Animals — Stories; Birds; Bota-

*Refer from* Absolute rights (s); Constitutional law; Ethics; International law; Law; Law of nature (s); Liberty; Natural rights (s); Nature, Law of (s)

*Refer from* Atheism; God; Natural theology (s); Philosophy; Religion; Religion and science; Teleology; Theism; Theology; Theology, Natural (s)

*Refer from* Commercial geography; Commercial products; Conservation of resources; Forests and forestry; Mines and mineral resources; National resources (s); Resources (s)

*Refer from* Darwinism(s); Evolution; Heredity; Selection, Natural(s); Species; Survival of the fittest (s); Variation (biology)

*Refer from* Natural religion; Philosophy; Realism

*Refer from* Art; Esthetics; Idealism in art; Painting; Realism in art

*Refer from* Esthetics; Fiction; Idealism in literature; Literature; Realism in literature

*Refer from* Authors; Biography; Botanists; Entomologists; Natural history; Ornithologists; Scientists; Zoologists

*Refer from* Aliens; Allegiance; Citizenship; Expatriation; Foreigners (s); Immigration and emigration; International law; Suffrage

*Refer from* Natural history; Nature study; Outdoor life; Philosophy; Physical geography; Scenery (s); Science

*Refer from* Literature; Nature; Nature in poetry

*Refer from* Nature; Nature in literature; Pastoral poetry; Poetry; Poetry of nature (s)

*Refer from* Animal lore; Folklore; Mythology; Nature; Plant lore

*Refer from* Nature study; Photography; Photography — Animals; Photography — Nature (s); Photography — Plants; Photography of nature (s)

*Refer from* Animals; Animals — Habits and behavior; Animals — Stories; Botany; Educa-



ny; Natural history; Nature; Nature photography; Object teaching; Plants; School gardens; Zoology

**Nature worship**

*See also* Animal worship; Elements, Worship of; Phallicism; Serpent worship; Sun worship; Totems and totemism; Tree worship

**Nautical almanacs**

**Nautical astronomy**

*See also* Astronomy, Spherical and practical; Latitude and longitude; Navigation

Nautical surveying *see* Hydrography

Nautical terms *see* Naval art and science —

Dictionaries; Navigation — Dictionaries

Naval architecture *see* Shipbuilding

**Naval art and science**

*See also* Armor plate; Armored vessels; Blockade; Gunnery; Mines, Submarine; Naval history; Naval tactics, and other headings beginning Naval; Navies; Navigation; Navy yards and naval stations; Privateering; Sea power; Shipbuilding; Signals; Submarine boats; Submarine warfare; Target practice; Torpedo boats; Torpedoes; War; Warships

Naval artillery *see* Naval guns

**Naval battles**

*See also* Armada, 1588; Battles; Buccaneers; Naval history; Pirates; *also* names of battles and of ships

**Naval biography**

*See also* Admirals; Sailors

Naval boilers *see* Boilers, Marine

**Naval education**

Naval engineering *see* Marine engineering

Naval gunnery *see* Gunnery

**Naval guns**

**Naval history**

*See also* Admirals; Buccaneers; History; Impressment; Military history; Naval battles; Naval biography; Navigation; Pirates; Privateering; Sea power; *also* names of wars, battles, vessels and commanders, and names of countries, subheads History, Naval, and Navy

Naval hospitals *see* Hospitals, Naval and marine

**Naval hygiene**

*See also* Military hygiene; Quarantine; Seasickness

**Naval militia**

*See also* names of states, subhead Naval militia

Naval power *see* Sea power

Naval reserves *see* Naval militia

Naval science *see* Naval art and science

Naval stations *see* Navy yards and naval stations

Naval surgery *see* Surgery, Naval

tion; Kindergarten; Natural history; Nature; Object teaching; Plants; Science; Science — Study and teaching; Teaching; Zoology

*Refer from* Elements, Worship of; Worship

*Refer from* Almanacs; Astronomy; Ephemerides (s); Navigation

*Refer from* Astronomy; Astronomy, Spherical and practical; Navigation

*Refer from* Fighting (s); Military art and science; Naval science (s); Naval tactics; Naval warfare (s); Navies; Navy (s); Science; Sea power; Ships; Strategy (s); War; Warships

*Refer from* Battles; Naval history; Sea fights (s)

*Refer from* Admirals; Biography; Naval history; Sailors

*Refer from* Education; Education, Naval (s)

*Refer from* Artillery; Guns; Naval artillery (s); Ordnance

*Refer from* History; History, Naval (s); Military history; Naval art and science; Naval battles; Navigation; Sea power

*Refer from* Hygiene; Hygiene, Naval (s); Medicine; Military hygiene; Occupations — Diseases and hygiene; Sanitation

*Refer from* Militia; Naval reserves (s); U. S. — Militia; U. S. — Naval militia (s); U. S. — Navy



**Naval tactics**

*See also* Naval art and science

Naval warfare *see* Naval art and science

**Navies**

*See also* Armies; Armored vessels; Coaling stations; Disarmament; Militarism; Naval art and science; Navy yards and naval stations; Sea power; Warships, *also* names of countries, subhead Navy, or Army and navy

**Navigation**

*See also* Aeronautics; Beacons; Boats and boating; Buoys; Canoes and canoeing; Collisions at sea; Commerce; Compass; Fog signals; Harbors; Hydrography; Inland navigation; Knots and splices; Latitude and longitude; Lifeboats; Lighthouses; Motor boats; Nautical almanacs; Nautical astronomy; Naval history; Ocean; Ocean travel; Pilot guides; Pilots and pilotage; Rowing; Rule of the road; Sailing; Sailors; Shipbuilding; Shipping; Ships; Shipwrecks; Signals; Sounding and soundings; Steam navigation; Steamboats; Submarine boats; Traverse tables; Voyages and travels; Yachts and yachting

—Inland, *see* Inland navigation

Navigation laws *see* Maritime law

Navy *see* Naval art and science; Navies; *also* names of countries, subhead Navy, or Army and navy

**Navy yards and naval stations**

Near-sightedness *see* Myopia

Nearsightedness *see* Myopia

**Nebulae**

*See also* Astronomy; Meteoritic hypothesis; Nebular hypothesis

**Nebular hypothesis**

*See also* Astronomy; Nebulae

**Necessity**

*See also* Freedom of the will; Predestination

Necrologies *see* Obituaries

Necromancy *see* Conjuring; Magic; Witchcraft

Needles *see* Pins and needles

**Needlework**

*See also* Beadwork; Crocheting; Drawn work; Dressmaking; Embroidery; Fancy work; Knitting; Lace; Mending and repairing; Samplers; Sewing machines; Sewing schools; Tailoring; Tapestry

**Negligence**

*See also* Agency; Bailments; Damages; Employers' liability

**Negotiable instruments**

*See also* Bonds; Commercial law; Exchange; Interest; Investments; Mortgages; Securities; Stocks

**Negro dialect**

*See also* Recitations and readings, Dialect

*Refer from* Naval art and science; Tactics

*Refer from* Armaments (s); Armies; Armored vessels; Disarmament; Fleets (s); Militarism; Military power (s); Naval art and science; Navy (s); Sea power; Ships; War; Warships

*Refer from* Astronomy, Spherical and practical; Boats and boating; Carriers; Commerce; Hydrography; Latitude and longitude; Locomotion; Mathematics; Nautical astronomy; Naval art and science; Naval history; Ocean; Sailing; Seamanship (s); Ships; Steam navigation; Traverse tables; Trigonometry; Waterways; Yachts and yachting

*Refer from* Naval art and science; Naval stations (s); Navies

*Refer from* Astronomy; Meteoritic hypothesis; Nebular hypothesis

*Refer from* Astronomy; Nebulae; Planets; Solar system; Universe

*Refer from* Freedom of the will; Metaphysics; Philosophy

*Refer from* Arts and crafts; Domestic arts; Dressmaking; Embroidery; Fancy work; Home economics; Lace; Manual training; Sewing (s); Sewing schools; Stitches (s); Women

*Refer from* Agency; Bailments; Carriers; Contracts; Contributory negligence (s); Damages; Employers' liability; Law; Occupations, Dangerous

*Refer from* Commercial law; Commercial paper (s); Credit; Law; Securities

*Refer from* English language — Dialects; Negroes





Negro melodies *see* Negro songs  
Negro minstrels *see* Minstrel shows  
**Negro songs**  
*See also* Jubilee singers

**Negro suffrage**  
*See also* Negroes — Political and social conditions

**Negroes**  
*See also* Color of man; Freedmen; Maroons; Negro dialect; Negro songs; Negro suffrage; Race problems — U. S.; Slave trade; Slavery; Slavery in the U. S.; Southern states

— **Biography**  
— **Colonization** [for colonization in America]  
*See also* Africa — Colonization

— **Education**  
— **Folklore**  
— **History**  
— **Political and social conditions**

*See also* Negro suffrage

— **Religion**

— **Social life and customs**

*See also* Voodooism

— **Suffrage, see** Negro suffrage

Negroes in the American revolution *see* U. S. —

History — Revolution — Negro troops

Negroes in the civil war *see* U. S. — History —

Civil war — Negro troops

**Neighborhood gilas**

**Neighborhood improvement**

*See also* Playgrounds; Tree planting; Vacant lot cultivation

Neighborhood work *see* Social settlements

Neo-Latin languages *see* Romance languages

Neolithic period *see* Stone age

**Neoplatonism**

**Nerves**

*See also* Nervous system

Nervous diseases *see* Nervous system — Diseases

Nervous exhaustion *see* Neurasthenia

Nervous prostration *see* Neurasthenia

**Nervous system**

*See also* Anatomy; Brain; Electrophysiology; Fatigue; Inhibition; Mind and body; Nerves; Physiology; Psychology, Physiological; Rest; Spine; Temperament

— **Diseases**

*See also* Epilepsy; Headache; Hysteria; Mental diseases; Neuralgia; Neurasthenia; Worry

**Nestorians**

*See also* Eastern churches

**Nests**

*See also* Animals — Habitations; Birds; Birds' eggs

**Neuralgia**

*See also* Nervous system — Diseases

*Refer from* Folk songs; Negro melodies (s); Negroes; Plantation songs (s); Songs; Songs, American

*Refer from* Negroes; Negroes — Political and social conditions; Negroes — Suffrage (s); Suffrage

*Refer from* Colored people (s); Ethnology; Freedmen; Race problems; Race problems — U. S.; Slavery; Slavery in the U. S.; Southern states

*Refer from* Africa — Colonization; Colonization of negroes (s)

*Refer from* Education

*Refer from* Folklore — Negroes (s)

*Refer from* Negro suffrage

*Refer from* Clubs; Gilds; Social settlements

*Refer from* Municipal improvement; Social settlements

*Refer from* Dualism; Hellenism; Mysticism; Philosophy; Platonists; Theosophy

*Refer from* Electrophysiology; Nervous system

*Refer from* Anatomy; Brain; Electrophysiology; Mind and body; Nerves; Neurology (s); Physiology; Psychology, Physiological; Spine; Temperament

*Refer from* Diseases (s); Hysteria; Medicine — Practice; Mental diseases; Nervous diseases (s); Neuralgia; Neurasthenia; Neuropathology (s)

*Refer from* Eastern churches; Sects

*Refer from* Animals — Habitations; Birds; Birds' nests (s); Zoology

*Refer from* Medicine — Practice; Nervous system — Diseases



**Neurasthenia**

*See also* Fatigue, Mental; Nervous system — Diseases

Neurology *see* Nervous system

Neuropathology *see* Nervous system — Diseases

**Neuroptera**

*See also* Insects

**Neutrality**

*See also* Alabama claims; Blockade; Contraband of war; International law; Search, Right of; Trent affair, 1861

New church *see* New Jerusalem church

New Englanders in the West

New France *see* Canada — History — To 1763 (New France)

**New Jerusalem church**

New nationalism *see* Nationalism, New

New Testament *see* Bible — New Testament

**New thought****New year****New York artillery**

*See also* New York (state) — Militia

**New York cavalry**

*See also* New York (state) — Militia

**New York infantry**

*See also* New York (state) — Militia

New York volunteer artillery *see* New York artillery

New York volunteer cavalry *see* New York cavalry

New York volunteer infantry *see* New York infantry

**Newsboys**

Newspaper clippings *see* Clippings

Newspaper work *see* Journalism; Reporting

**Newspapers**

*See also* Advertising; Clippings; Editorials; Journalism; Liberty of the press; Periodicals; Publicity; Reporting

**—England**

*See also* Periodicals — England

**—U. S.**

*See also* Periodicals — U. S.

**Nicene creed**

*Refer from* Exhaustion (s); Fatigue, Mental; Medicine — Practice; Nervous exhaustion (s); Nervous prostration (s); Nervous system — Diseases

*Refer from* Insects

*Refer from* Blockade; Commerce; Contraband of war; International law; Maritime law; Prizes (international law); Search, Right of; War

*Refer from* New England; Western states

*Refer from* Church of the New Jerusalem (s); New church (s); Sects; Swedenborgianism (s)

*Refer from* Ethics; Higher thought (new thought) (s); Mental healing; Mental hygiene; Metaphysics; Mind and body; Philosophy; Philosophy, Modern; Psychology; Spiritual life; Suggestion

*Refer from* Holidays

*Refer from* Artillery; New York (state) — Militia; New York volunteer artillery (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Cavalry; New York (state) — Militia; New York volunteer cavalry (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Infantry; New York (state) — Militia; New York volunteer infantry (s); U. S. — Army; Volunteers (U. S. army) (s)

*Refer from* Boys; Child labor

*Refer from* Communication; Journalism; Liberty of the press; Literature; Periodicals; Press (s); Yellow journalism (s)

*Refer from* England — Newspapers (s); English literature; English newspapers (s); Periodicals — England

*Refer from* American literature; American newspapers (s); Periodicals — U. S.; U. S. — Newspapers (s)

*Refer from* Catholic church — Catechisms and creeds; Church of England — Catechisms and creeds; Creeds



**Nickel**

*See also* Metals; Nickel steel

**Nickel steel**

*See also* Armor plate

**Nicknames**

*See also* Epithets; Pseudonyms

**Night**

*See also* Dew; Dreams; Nightmare; Sleep; Somnambulism

Night schools *see* Evening and continuation schools

**Nightmare**

*See also* Dreams

**Nihilism**

*See also* Anarchism and anarchists; Russia — Politics; Russia — Social conditions

**Nineteenth century**

*See also* English literature — History and criticism — 19th century; Europe — History — 1789-; History, Modern

**Nitrification**

*See also* Soil bacteriology; Soil inoculation

Nitrifying bacteria *see* Nitrification; Soil bacteriology

**Nitrogen**

*See also* Alkaloids; Nitrification

**Nitroglycerin**

*See also* Explosives

**Nobel prizes**

Nobility *see* Aristocracy; Heraldry; Peerage

**Noise**

*See also* Sound

**Nomads**

*See also* Bedouins; Gipsies

Nomenclature *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature

**Nominations**

*See also* Caucus; Election laws; Elections; Political conventions; Primaries

Noms de plume *see* Pseudonyms

Nonconformists *see* Dissenters

**Nonjurors**

*See also* Church of England

**Nonresistance**

*See also* Friends, Society of; Peace

**Nonsense verse**

*See also* Limericks; Nursery rhymes

**Normal schools**

*See also* Teachers — Training

*Refer from* Metals

*Refer from* Armor plate; Nickel; Steel

*Refer from* Epithets; Names, Personal; Pseudonyms; Sobriquets (s); Soubriquets (s)

*Refer from* Days

*Refer from* Dreams; Incubus (s); Night; Sleep

*Refer from* Anarchism and anarchists; Government; Philosophy; Russia; Secret societies

*Refer from* Europe — History — 1789-; History, Modern; Progress

*Refer from* Agricultural chemistry; Bacteriology, Agricultural; Fertilizers and manures; Nitrifying bacteria (s); Nitrogen; Soil bacteriology; Soil inoculation; Soils

*Refer from* Chemical elements; Gases

*Refer from* Explosives

*Refer from* Rewards (prizes, etc.)

*Refer from* Municipal improvement; Nuisances; Sound

*Refer from* Bedouins; Gipsies

*Refer from* Caucus; Civil service; Direct nominations (s); Election laws; Elections; Elections — U. S.; Government; Office, Nominations for (s); Political conventions; Politics; Primaries; Representative government and representation

*Refer from* Church of England; Dissenters; England — History — Stuarts; England — Religious history; Jacobites; Puritans

*Refer from* Peace

*Refer from* Humor; Limericks; Nursery rhymes; Poetry

*Refer from* Education; Schools; Teachers; Teachers — Training



Norman conquest *see* England — History — Normans

**Normans**

*See also* England — History — Normans; Normandy; Northmen

Norse literature *see* Icelandic literature; Scandinavian literature

Norse mythology *see* Mythology, Norse

Norsemen *see* Northmen

North American Indians *see* Indians

**North pole**

*See also* Arctic regions

**Northeast boundary of the U. S.**

**Northeast passage**

*See also* Arctic regions

Northeastern boundary of the U. S. *see* Northeast boundary of the U. S.

Northern lights *see* Auroras

Northern mythology *see* Mythology, Norse

**Northmen**

*See also* America — Discovery and exploration — Pre-Columbian; Iceland — History; Normans; Norway — History; Sagas; Scandinavia — History

**Northwest, Canadian**

Northwest, New, *see* Northwestern states

Northwest, Old, *see* Northwest Territory, U. S.

Northwest boundary of the U. S.

**Northwest passage**

*See also* Arctic regions

**Northwest Territory, U. S.**

*See also* Illinois; Indiana; Michigan; Middle states; Ohio; Ordinance of 1787; Western Reserve; Wisconsin

Northwestern boundary of the U. S. *see* Northwest boundary of the U. S.

**Northwestern states**

*See also* Oregon trail; Western states; *also* names of states and regions

**Norwegian language**

*See also* Scandinavian languages

**Norwegian literature**

*See also* Danish literature; Scandinavian literature

**Norwegians in the U. S.**

*See also* Scandinavians in the U. S.

**Nose**

*See also* Catarrh; Respiratory organs; Smell

**Notaries**

*See also* Acknowledgments; Affidavits

**Notation (mathematics)**

*See also* Decimal system

Notation (music) *see* Music — Notation

**Novellists**

*See also* Authors

Novels *see* Fiction

*Refer from* England — History — Normans; Northmen

*Refer from* Arctic regions; Earth; Polar regions (s)

*Refer from* Boundaries; Northeastern boundary of the U. S. (s); U. S. — Boundaries

*Refer from* Arctic regions; Discoveries and explorations

*Refer from* America — Discovery and exploration — Pre-Columbian; Iceland — History; Middle ages — History; Normans; Norsemen (s); Norway — History; Scandinavia — History; Sea kings (s); Vikings (s)

*Refer from* Canada; Canadian Northwest (s)

*Refer from* Boundaries; Northwestern boundary of the U. S. (s); U. S. — Boundaries

*Refer from* Arctic regions; Discoveries and explorations

*Refer from* Middle states; Northwest, Old (s); Old Northwest (s); Ordinance of 1787; U. S. — History; Western states

*Refer from* Northwest, New (s); Western states

*Refer from* Germanic languages; Scandinavian languages

*Refer from* Danish literature; Scandinavian literature

*Refer from* Scandinavians in the U. S.; U. S. — Foreign population

*Refer from* Anatomy; Face; Head; Nasal passages (s); Respiratory organs; Smell

*Refer from* Commercial law; Law

*Refer from* Arithmetic; Mathematical notation (s); Mathematics

*Refer from* Authors; Fiction





Nucleation, Atmospheric, *see* Atmospheric nucleation

**Nude in art**

*See also* Art and morals

**Nuisances**

*See also* Noise; Smoke

**Nullification**

*See also* Kentucky and Virginia resolutions, 1798; State rights

**Numbers [theory of]**

*See also* Arithmetic; Groups, Theory of; Magic squares; Numerals

**Numerals [the signs and words]**

*See also* Numbers

**Numismatics**

*See also* Bible — Numismatics; Coinage; Medals; Money; Seals (numismatics)

Nunneries *see* Convents and nunneries

**Nuns**

*See also* Carmelites; Convents and nunneries; Religious orders; Sisterhoods; Sisters of charity; Ursulines

**Nurseries (horticulture)**

*See also* Forest nurseries

Nurseries, Day, *see* Crèches

**Nursery rhymes**

*See also* Children's poetry; Counting out; Nonsense verse

**Nurses and nursing**

*See also* Children — Care and hygiene; Cookery for the sick; Diet; First aid in illness and injury; Hospitals; Invalids; Red cross; School nurses; Sisters of charity

**Nutation**

*See also* Astronomy, Spherical and practical

**Nutrition**

*See also* Absorption (physiology); Diet; Digestion; Food; Metabolism

Nutrition of plants *see* Plants — Chemistry and nutrition

**Nuts**

Nuts (machinery) *see* Bolts and nuts

Oak trees *see* Oaks

**Oaks**

Oarsmanship *see* Rowing

**Oases**

*See also* Deserts

**Oaths**

*See also* Perjury; Swearing

**Oats**

*See also* Grain

**Obedience**

**Obelisks**

*See also* Egypt — Antiquities

**Oberammergau passion play**

Obesity *see* Corpulence

*Refer from* Art; Art and morals; Human figure in art (s)

*Refer from* Hygiene, Public; Law

*Refer from* Government; State rights; U. S. — Politics

*Refer from* Algebra; Arithmetic; Mathematics; Numerals

*Refer from* Arabic numerals (s); Arithmetic; Mathematics; Numbers

*Refer from* Archaeology; Art; Coins (s); History; History, Ancient; Medals; Money; Seals (numismatics)

*Refer from* Convents and nunneries; Monasticism; Religious orders; Sisterhoods; Women

*Refer from* Fruit culture; Gardening

*Refer from* Children's poetry; Children's songs; Folklore; Nonsense verse; Poetry of childhood (s)

*Refer from* Charities; Children — Care and hygiene; District nurses (s); Hospitals; Hygiene; Invalids; Medicine; Medicine — Practice; Therapeutics; Trained nurses (s); Women

*Refer from* Astronomy; Astronomy, Spherical and practical; Earth; Latitude and longitude

*Refer from* Assimilation (s); Diet; Digestion; Food; Metabolism; Physiology

*Refer from* Food; Fruit; Trees

*Refer from* Oak trees (s); Trees

*Refer from* Deserts

*Refer from* Ethics; Government; Perjury; Swearing

*Refer from* Feeding and feeding stuffs; Grain

*Refer from* Conduct of life; Ethics

*Refer from* Archaeology; Architecture; Egypt — Antiquities; Monuments

*Refer from* Passion plays



**Obituaries**

*See also* Epitaphs; Funeral sermons; Inscriptions

**Object teaching**

*See also* Kindergarten; Nature study; Observation; Quincy system

**Observation**

Observations, Magnetic, *see* Magnetism, Terrestrial — Observations

Observations, Meteorological, *see* Meteorology — Observations

Observatories, Astronomical, *see* Astronomical observatories

Observatories, Meteorological, *see* Meteorological observatories

**Obstetrics****Occult sciences**

*See also* Alchemy; Astrology; Cabala; Crystal gazing; Demonology; Divination; Magic; Oracles; Psychical research; Second sight; Spiritualism; Theosophy; Witchcraft

**Occupations**

*See also* Astronomy; Astronomy, Spherical and practical

Occupational diseases *see* Occupations — Diseases and hygiene

**Occupations**

*See also* Business; Handicraft; Profession, Choice of; Professions; Vocational education; Women — Occupations; *also* names of occupations

**— Dangerous**

*See also* Accidents; Employers' liability; Mine accidents; Negligence; Occupations — Diseases and hygiene; Railroads — Accidents; Safety devices

**— Diseases and hygiene**

*See also* Caisson disease; Dust; Lead poisoning; Military hygiene; Naval hygiene; Occupations, Dangerous; School hygiene

**Ocean**

*See also* Algae; Coast changes; Commerce; Dredging; Hydrography; Icebergs; Marine biology; Marine zoology; Navigation; Ocean currents; Ocean travel; Phosphorescence; Physical geography; Sailors; Sea food; Sea level; Sea stories; Sea walls; Sea water; Seashore; Seasickness; Ships; Shipwrecks; Sounding and soundings; Tides; Voyages and travels; Waves; *also* headings beginning Marine and Naval

**Ocean currents**

Ocean life *see* Marine biology; Seafaring life

**Ocean travel**

*See also* Sailors; Seasickness; Steamboats; Steerage; Travel; Voyages and travels

**Oceanic languages**

*See also* Philippine languages; Polynesian languages

*Refer from* Biography; Death notices (s); Epitaphs; Funeral sermons; Inscriptions; Necrologies (s)

*Refer from* Education; Education, Elementary; Kindergarten; Nature study; Quincy system; Teaching

*Refer from* Attention; Object teaching; Psychology; Psychology, Educational

*Refer from* Medicine — Practice; Midwifery (s); Women — Diseases

*Refer from* Alchemy; Astrology; Cabala; Demonology; Devil worship; Divination; Hermetic art (s); Magic; Psychical research; Science; Superstition; Witchcraft

*Refer from* Astronomy; Astronomy, Spherical and practical; Eclipses; Moon; Planets

*Refer from* Business; Handicraft; Labor and laboring classes; Profession, Choice of; Professions; Success; Trades (s); Vocations (s)

*Refer from* Accidents; Dangerous occupations (s); Employers' liability; Industrial arts; Injurious occupations (s); Occupations — Diseases and hygiene

*Refer from* Diseases (s); Hygiene; Hygiene, Industrial (s); Hygiene, Public; Hygiene of employment (s); Industrial diseases (s); Industrial hygiene (s); Occupational diseases (s); Occupations, Dangerous

*Refer from* Dredging; Earth; Hydrography; Marine zoology; Meteorology; Natural history; Navigation; Oceanography (s); Physical geography; Sea (s); Seashore; Thalassography (s); Tides; Water

*Refer from* Currents (s); Hydrography; Ocean

*Refer from* Navigation; Ocean; Steamboats; Travel; Voyages and travels

*Refer from* Language; Philippine languages; Polynesian languages



Oceanography *see* Hydrography; Ocean  
Octateuch *see* Bible — Old Testament — Oc-  
tateuch

**Odd Fellows**

**Odes**

*See also* Lyric poetry

Odontology *see* Teeth

**Odors**

*See also* Incense; Perfumery; Smell

Oecology *see* Ecology

Office, Nominations for, *see* Nominations

Office, Tenure of, *see* Civil service

**Office supplies**

*See also* Card system in business; Cash  
registers

Official publications *see* Government publica-  
tions

Oil *see* Essences and essential oils; Oils and  
fats; Petroleum

Oil engines *see* Gas and oil engines

**Oil painting**

*See also* Painting

Oil wells *see* Petroleum

Oils, Essential, *see* Essences and essential oils

**Oils and fats**

*See also* Chemistry, Technical; Essences  
and essential oils; Lubrication and lubri-  
cants; Petroleum

**Old age**

*See also* Age; Age limit of employment;  
Homes for the aged; Longevity; Old age  
pensions

Old age homes *see* Homes for the aged

**Old age pensions**

*See also* Civil service pensions

Old English language *see* Anglo-Saxon lan-  
guage; English language — Middle English

Old English literature *see* Anglo-Saxon litera-  
ture; English literature — History and crit-  
icism — Middle English

Old ladies' homes *see* Homes for the aged

Old maids *see* Spinsters

Old Northwest *see* Northwest Territory, U. S.

**Old Saxon language**

*See also* Germanic languages; Low German  
language

Old Testament *see* Bible — Old Testament

**Oleomargarine**

**Oligarchy**

**Olympic games**

**Omens**

*See also* Astrology; Divination; Oracles

**Omnibuses**

**Onomatopoeia**

Ontology *see* Being; Metaphysics; Philosophy

Oology *see* Birds' eggs

*Refer from* Benefit societies; Independent  
order of Odd Fellows (s); Secret societies

*Refer from* Lyric poetry; Poetry

*Refer from* Flowers; Perfumes (s); Scent (s)

*Refer from* Business

*Refer from* Painting

*Refer from* Animal fats (s); Animal oils (s);  
Animal products; Chemistry, Technical; Coal-  
tar products; Fat (s); Fats (s); Grease (s);  
Lubrication and lubricants; Mineral oils (s);  
Oil (s); Vegetable oils (s)

*Refer from* Age; Aged (s); Aged poor (s);  
Longevity

*Refer from* Aged poor (s); Insurance, State  
and compulsory; Labor and laboring classes;  
Old age; Pensions; Poor; Thrift

*Refer from* Germanic languages; Low Ger-  
man language; Saxon language (s)

*Refer from* Butter; Dairy products; Food  
adulteration and inspection

*Refer from* Aristocracy; Government

*Refer from* Athletics; Games; Greece —  
Social life and customs; Sports

*Refer from* Divination; Portents (s); Pres-  
ages (s); Signs (omens) (s); Superstition;  
Warnings (s)

*Refer from* Carriages; Carriers; Coaches  
and coaching; Transportation; Vehicles

*Refer from* Language; Rhetoric



**Open-air schools**

*Refer from* Education; Forest schools (s); Fresh air schools (s); Hygiene; Outdoor schools (s); Public schools; School hygiene; Schools; Tuberculosis

**Open and closed shop**

*See also* Labor unions

*Refer from* Closed shop (s); Labor and laboring classes; Labor unions; Open shop (s); Strikes and lockouts; Union shop (s)

**Open shop** *see* Open and closed shop

**Opera**

*See also* Operettas; Overtures

*Refer from* Amusements; Drama; Dramatic music (s); Grand opera (s); Music; Operettas; Theater

*Refer from* Librettos (s)

*Refer from* Music — Scores

— **Librettos**

— **Scores**

Opera houses *see* Theaters

Operations, Surgical, *see* Surgery

**Operettas**

*See also* Opera

*Refer from* Comic operas (s); Dramatic music (s); Light operas (s); Opera

Ophidia *see* Snakes

**Ophthalmia**

*See also* Eye — Diseases and defects

Ophthalmology *see* Eye

Opinion *see* Belief; Public opinion

**Opium**

*See also* Morphine; Narcotic habit; Narcotics

*Refer from* Agricultural products; Agriculture — Tropics; Morphine; Narcotic habit; Narcotics; Temperance

**Opportunity**

*See also* Success

Optical chemistry *see* Photochemistry

**Optical illusions**

*See also* Mirage

*Refer from* Conduct of life; Success

*Refer from* Illusions and hallucinations; Light; Sight

**Optical instruments**

*See also* Astronomical instruments; Kaleidoscope; Lenses; Microscope and microscopy; Polariscope; Reflection (light); Spectacles; Spectroscope; Stereopticon; Stereoscope; Telescope

Optical interference *see* Interference (light)

Optics *see* Light

Optics, Physiological, *see* Eye; Optical instruments; Sight

**Optimism**

*See also* Cheerfulness; Pessimism

*Refer from* Aberration; Glass manufacture; Instruments; Light; Optics, Physiological (s); Reflection (light); Scientific apparatus and instruments

*Refer from* Cheerfulness; Happiness; Pessimism; Philosophy

*Refer from* Mysteries (religious); Occult sciences; Omens; Prophecies; Religion; Superstition

**Oracles**

Oral arithmetic *see* Arithmetic

**Orange**

*See also* Fruit

**Orangemen**

*Refer from* Fruit; Oranges (s)

*Refer from* Ireland — Politics; Ireland — Religious history

Oranges *see* Orange

**Orations**

*See also* After-dinner speeches; Oratory

*Refer from* Addresses (s); Declamation (s); Literature; Oratory; Recitations and readings; Speeches (s)

— **American**

*See also* Fourth of July orations

*Refer from* American literature; American orations (s)

— **English**

*Refer from* English literature; English orations (s)





**Oratorios**

*See also* Cantatas

**Orators****Oratory**

*See also* Debating; Elocution; Eloquence; Gesture; Lectures and lecturing; Orations; Orators; Preaching; Rhetoric; Voice

**Orbits**

*See also* Mechanics, Celestial; Perturbation

Orchard heating *see* Frost protection

Orchards *see* Fruit; Fruit culture

**Orchestral music**

*See also* Instrumental music; Instrumentation and orchestration; Overtures; Symphonies

**Orchestras**

*See also* Bands (music); Conducting (music); Orchestral music; Stringed instruments  
Orchestration *see* Instrumentation and orchestration

**Orchids**

*See also* Floriculture

**Ordeals**

*See also* Fire walk

Order of Malta *see* Malta, Knights of

Order of St. George (English) *see* Garter, Order of the

Order of St. John of Jerusalem *see* Malta, Knights of

Order of the Garter *see* Garter, Order of the

Order of Teutonic knights *see* Teutonic knights

Order of the Rosy cross *see* Rosicrucians

Order of the Temple *see* Templars; also Freemasons — Templars

Orders, Architectural, *see* Orders of architecture

Orders, Monastic, *see* Monasticism

Orders, Religious, *see* Religious orders

**Orders of architecture**

*See also* Architecture, Greek; Columns

Orders of knighthood *see* Knights and knighthood

**Ordinance of 1787**

*See also* Northwest Territory; U. S. — History — 1783-1812

**Ordination**

*See also* Clergy

**Ordinance**

*See also* Ammunition; Arsenals; Artillery; Ballistics; Firearms; Gunnery; Gunpowder; Guns; Military art and science; Naval guns; Projectiles

Ordovician period *see* Geology, Stratigraphic — Ordovician; Paleontology — Ordovician

**Ore deposits**

*See also* Geology, Economic; Iron ores; Mines and mineral resources; Ores

Ore dressing *see* Ore treatment

*Refer from* Church music; Music; Sacred music (s)

*Refer from* Biography; Oratory; Speakers (s)

*Refer from* Debating; Elocution; Eloquence; Lectures and lecturing; Orations; Preaching; Public speaking (s); Rhetoric; Speaking (s); Speeches (s); Voice

*Refer from* Astronomy; Mechanics, Celestial; Perturbation; Planets

*Refer from* Instrumental music; Music; Music—Scores; Musical instruments; Orchestras; Symphonies

*Refer from* Bands (music); Conducting (music); Instrumental music; Music

*Refer from* Floriculture; Flowers

*Refer from* Criminal law; Manners and customs; Trials

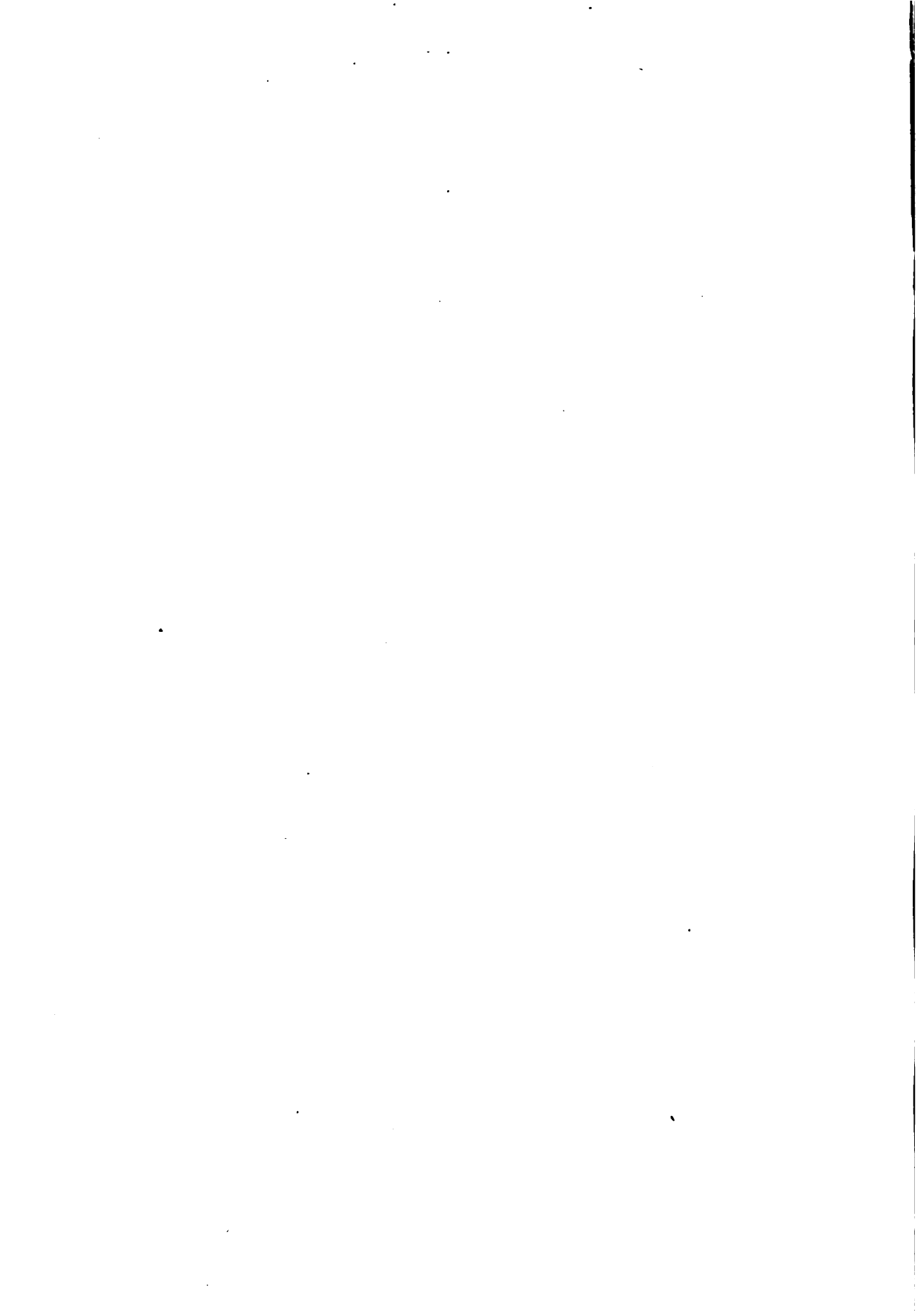
*Refer from* Architecture; Architecture, Greek; Columns; Orders, Architectural (s)

*Refer from* Northwest Territory; U. S. — History — 1783-1812

*Refer from* Bishops; Church polity; Clergy; Episcopacy; Priests; Rites and ceremonies; Sacraments

*Refer from* Ammunition; Arms and armor; Artillery; Ballistics; Cannon (s); Firearms; Gunnery; Guns; Military art and science; Projectiles

*Refer from* Geology; Geology, Economic; Metals; Mineral lands (s); Mines and mineral resources; Ores



**Ore treatment**

*See also* Cyanide process; Electrometallurgy; Magnetic separation of ores; Metallurgy; Smelting

**Oregon trail****Ores**

*See also* Assaying; Geochemistry; Geology, Economic; Iron ores; Metallurgy; Metals; Mineralogy; Mines and mineral resources; Ore deposits; Ore treatment; *also* names of metals

**Organ**

*See also* Musical instruments; Organ music; Organists; Reed organ

**Organ music**

*See also* Church music

Organic chemistry *see* Chemistry, Organic

**Organists**

*See also* Musicians

Organized charity *see* Charity organization

Organized labor *see* Labor unions

Organography *see* Anatomy; Botany, Structural; Morphology

**Organotherapy**

*See also* Serum therapy

Organs *see* Organ

Orient *see* East

Oriental architecture *see* Architecture, Oriental

Oriental civilization *see* Civilization, Oriental

**Oriental languages**

*See also* Armenian language; Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Semitic languages; Tamil language and literature

**Oriental literature**

*See also* Arabic literature; Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Persian literature; Sanskrit literature; Tamil language and literature

Oriental philosophy *see* Philosophy, Oriental

**Orientation****Orientation (architecture)**

Origin of life *see* Life — Origin

Origin of man *see* Man — Origin and antiquity

Origin of species *see* Evolution; Species

Original sin *see* Sin

Oriskany formation *see* Geology, Stratigraphic — Devonian; Paleontology — Devonian

Ornament *see* Decoration and ornament

Ornamental alphabets *see* Illumination of manuscripts and books; Lettering

Ornamental design *see* Design, Decorative

**Ornithologists**

*See also* Naturalists

Ornithology *see* Birds

Orology *see* Mountains

Orphan asylums *see* Orphans and orphan asylums

*Refer from* Metallurgy; Ore dressing (s); Ores; Smelting

*Refer from* Indian trails; Roads — U. S.; Northwestern states; Trails (s); Western states

*Refer from* Assaying; Geochemistry; Geology, Economic; Metallurgy; Metals; Mineralogy; Minerals (s); Mines and mineral resources; Ore deposits

*Refer from* Musical instruments; Organs (s); Pipe organ (s)

*Refer from* Church music; Instrumental music; Music — Scores; Organ

*Refer from* Musicians; Organ

*Refer from* Therapeutics

*Refer from* Armenian language; Asiatic languages (s); Chinese language; Dravidian languages; Indo-Aryan languages; Iranian languages; Japanese language; Language; Semitic languages

*Refer from* Arabic literature; Asia — Literature (s); Asiatic literature (s); Assyro-Babylonian literature; Chinese literature; Hebrew literature; Hindu literature; Japanese literature; Literature; Persian literature; Sanskrit literature; Tamil language and literature

*Refer from* Animals — Habits and behavior; Animals — Orientation (s); Direction, Sense of (s); Instinct

*Refer from* Architecture; Church architecture

*Refer from* Naturalists; Scientists; Zoologists



**Orphans and orphan asylums**

*See also* Adoption; Charity schools; Children — Charities, protection, etc.; Foundlings

Orthodox eastern church *see* Greek church

**Orthodoxy**

*See also* Calvinism; Congregationalism

Orthoepy *see* Phonetics; Pronunciation

Orthographic projection *see* Projection

Orthography *see* Spelling

Orthopedics *see* Deformities

**Orthoptera**

*See also* Insects; Locusts

**Osmosis**

*See also* Absorption (physiology); Chemistry, Physical; Solution (chemistry)

Osteology *see* Bones

**Osteopathy**

*See also* Mechanotherapy

**Ostriches**

*See also* Birds

Ostrogoths *see* Goths

Otology *see* Ear

**Outdoor life**

*See also* Camping; Country life; Farm life; Fishing; House boats; Hunting; Mountaineering; Natural history; Nature; Picnics; Sports; Vacations; Walking; Wayfaring life

**Outdoor relief**

*See also* Charities

Outdoor schools *see* Open-air schools

**Outlaws**

*See also* Brigands and robbers; Crime and criminals

**Ovens**

*See also* Baking; Stoves

**Overland journeys to the Pacific** [for pre-railroad journeys only]

*See also* Frontier and pioneer life; Western states

**Overpressure (education)**

*See also* Curriculum; Overwork

**Overtures**

**Overwork**

*See also* Fatigue; Overpressure (education); Rest

Ownership *see* Property

Ox *see* Oxen

**Oxen**

*See also* Cattle; Live stock

**Oxford movement**

**Oxygen**

**Oysters**

*See also* Bivalves; Pearls

**Ozone**

Pacific cable *see* Cables, Submarine

*Refer from* Asylums; Charities; Charity schools; Children; Children — Charities, protection, etc.; Foundlings; Homes (institutions) (s); Orphan asylums (s)

*Refer from* Calvinism; Congregationalism; Theology

*Refer from* Insects; Locusts

*Refer from* Absorption (physiology); Cells; Chemistry, Physical; Fluids; Physics; Physiological chemistry; Solution (chemistry)

*Refer from* Mechanotherapy; Therapeutics

*Refer from* Birds

*Refer from* Camping; Country life; Natural history; Nature; Rural life (s); Sports; Vacations; Wayfaring life

*Refer from* Charities; Relief work (s)

*Refer from* Brigands and robbers; Crime and criminals

*Refer from* Baking; Cookery; Stoves

*Refer from* Frontier and pioneer life; Transcontinental journeys, U. S. (s); U. S. — Description and travel; Western states

*Refer from* Curriculum; Education; Fatigue, Mental; Overwork; School hygiene; School management

*Refer from* Instrumental music; Music; Opera; Orchestral music

*Refer from* Fatigue; Hygiene; Overpressure (education); Work

*Refer from* Cattle; Live stock; Ox (s)  
*Refer from* Catholic church; Church of England; Puseyism (s); Tractarianism (s)

*Refer from* Chemical elements; Gases

*Refer from* Bivalves; Food; Mollusks; Sea food

*Refer from* Air; Gases



**Pacific coast**

*See also* Pacific states

**Pacific states**

*See also* Frontier and pioneer life; Pacific coast; Western states; *also* names of states  
Pacing *see* Horse; Horse racing

**Pack transportation**

**Packing for shipment**

**Packing houses**

*See also* Packing industry

**Packing industry**

*See also* Beef; Meat; Meat inspection; Packing houses; Slaughtering and slaughterhouses

**Padrone system**

*See also* Contract labor

Pagan civilization *see* Civilization, Pagan

**Paganism**

*See also* Idolatry; Mythology

**Pageants**

*See also* Coronations; Festivals; Play festivals; Processions

**Pain**

*See also* Anesthetics; Pleasure; Suffering; Vivisection

**Paint**

*See also* Chemistry, Technical; Color; Corrosion and anti-corrosives; Painting

Painted glass *see* Stained glass

**Painters**

*See also* Artists

**Painting**

*See also* Anatomy, Artistic; Animal painting and illustration; Art; China painting; Christian art and symbolism; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Flower painting and drawing; Frescoes; Idealism in art; Illumination of manuscripts and books; Impressionism (art); Landscape painting; Marine painting; Miniature painting; Mural painting and decoration; Naturalism in art; Oil painting; Paint; Painters; Painting, Mechanical; Paintings; Pastel; Perspective; Portrait painting; Prerafaelism; Proportion (art); Realism in art; Scene painting; Sepia painting; Stained glass; Stencil work; Water color painting

— **Italian**

— **Mechanical**

*See also* Carriage painting; Color; Gilding; Graining; House painting; Lettering; Marbling; Paint; Sign painting; Stains and staining; Varnish and varnishing; Wood finishing

**Paintings**

*See also* Art — Exhibitions; Art — Galleries and museums; Art forgeries; Madonnas; Painting; Pictures; Portraits

Paints *see* Paint

*Refer from* Pacific states

*Refer from* Pacific coast; Western states

*Refer from* Horse; Transportation

*Refer from* Baggage; Commerce; Transportation

*Refer from* Architecture; Packing industry

*Refer from* Beef; Canned food (s); Food supply; Meat; Packing houses; Slaughtering and slaughterhouses

*Refer from* Contract labor; Italians in the U. S.; Labor and laboring classes

*Refer from* Heathenism (s); Idolatry; Religion

*Refer from* Acting; Amusements; Drama; Entertainments; Festivals; Processions

*Refer from* Diagnosis; Emotions; Pleasure; Psychology, Physiological; Senses and sensation; Suffering

*Refer from* Chemistry, Technical; Corrosion and anti-corrosives; Painting; Painting, Mechanical; Paints (s); Pigments (s)

*Refer from* Artists; Painting; Portrait painters (s)

*Refer from* Archaeology; Art; Color; Composition (art); Decoration and ornament; Drawing; Esthetics; Figure painting; Graphic arts (s); Landscape painting; Marine painting; Oil painting; Paint; Paintings; Sketching (s); Water color painting

*Refer from* Italian painting (s)

*Refer from* Carriage painting; Graining; House painting; Industrial arts; Mechanical painting (s); Painting; Sign painting; Varnish and varnishing; Wood finishing

*Refer from* Art — Galleries and museums; Painting; Pictures





**Palaces**

*See also* Architecture; Castles; *also* names of palaces, e.g. Alhambra, Louvre, Versailles (palace), Windsor castle

**Palaentology** *see* Paleontology

**Paleobotany** *see* Fossil plants

**Paleography**

*See also* Abbreviations; Alphabet; Books; Charters; Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

**Paleolithic period** *see* Stone age

**Paleontology** [subdivided like Geology, Stratigraphic]

*See also* Animals, Extinct; Footprints, Fossil; Fossil plants; Geology; *also* names of fossil animals, e.g. Mammoths, Trilobites; and subhead Fossil under names of animals and classes of animals, e.g. Birds, Fossil; Insects, Fossil; Invertebrates, Fossil; Mollusks, Fossil; Reptiles, Fossil

— U. S.

*See also* Geology — U. S.

**Paleozoic era** *see* Geology, Stratigraphic — Paleozoic; Paleontology — Paleozoic

**Palmistry**

**Palsy** *see* Paralysis

**Panama canal**

*See also* Canal Zone; Ship canals

**Panics**

*See also* Business depression; Speculation; Unemployed

**Panislamism****Panoramas**

*See also* Cycloramas

**Panslavism****Pantheism**

*See also* God; Monism; Vedanta

**Pantomime**

*See also* Amateur theatricals; Ballet; Gesture; Puppet plays; Shadow pantomimes

**Papacy** *see* Catholic church; Popes

**Papal bulls** *see* Bulls, Papal

**Papal schism** *see* Schism, The great western, 1378-1417

**Paper**

*See also* Cellulose; Marbling; Paper work; Papier-maché; Papyrus; Parchment; Stationery; Wall paper; Wood pulp

**Paper cutting** *see* Paper work

**Paper flowers**

**Paper hanging** *see* Wall paper

*Refer from* Architecture

*Refer from* Alphabet; Archives; Diplomatics (s); Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

*Refer from* Animals, Extinct; Animals, Fossil (s); Extinct animals (s); Fossil plants; Fossils (s); Geology; Geology, Stratigraphic; Mammoths; Man; Natural history; Paleontology (s); Petrification (s); Science; Zoology

*Refer from* Geology — U. S.; U. S. — Paleontology (s)

*Refer from* Amusements; Character; Character reading (s); Cheiromnomy (s); Cheiromancy (s); Cheirosophy (s); Chiromnomy (s); Chiromancy (s); Chirosophy (s); Divination; Fortune telling; Hand; Superstition

*Refer from* Canal Zone; Canals; Isthmian canal (s); Ship canals

*Refer from* Business; Business depression; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Financial crises (s); Hard times (s); Prices; Prosperity; Speculation; Stock exchange

*Refer from* Eastern question (Near East); Mohammedanism

*Refer from* Cycloramas; Entertainments; Pictures

*Refer from* Eastern question (Near East); Europe — Politics; Russia; Slavs

*Refer from* God; Monism; Philosophy; Religion; Skepticism; Theology

*Refer from* Acting; Amateur theatricals; Amusements; Ballet; Drama; Entertainments; Gesture; Sign language; Theater

*Refer from* Cellulose; Chemistry, Technical; Manufactures; Parchment; Printing; Stationery; Wood pulp; Writing

*Refer from* Artificial flowers; Flowers; Paper work



**Paper money**

*See also* Bank notes; Banks and banking; Finance; Greenbacks; Legal tender; Money

**Paper work** [for children]

*See also* Paper flowers

**Papier-maché**

Papyri *see* Manuscripts

**Papyrus**

**Parables**

*See also* Allegories; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Paradise *see* Eden; Heaven

**Parallax**

*See also* Astronomy; Astronomy, Spherical and practical

**Paralysis**

*See also* Apoplexy

Paramagnetism *see* Magnetism

**Parasites**

*See also* Bacteriology; Fungi; Hookworm disease; Insects, Injurious and beneficial

**Parcels post**

*See also* Library post

**Parchment**

*See also* Paper

**Pardon**

**Parental schools**

*See also* Truant schools

**Parents**

*See also* Ancestor worship; Children; Domestic relations; Eugenics; Family; Fathers; Home education; Heredity; Mothers

Parish schools *see* Church schools

**Parks**

*See also* Amusement parks; Botanical gardens; Commons; Landscape gardening; Municipal improvement; National parks and reserves; Playgrounds; Zoological gardens; *also* names of cities, subhead Parks

Parliament *see* England — Parliament; *also* names of other countries

**Parliamentary practice**

*See also* Amendments (parliamentary practice); Committees; Legislative bodies

Parochial schools *see* Church schools

**Parodies**

*See also* Burlesques

**Parole**

*See also* Discharged prisoners; Probation system

*Refer from* Bank notes; Bills of credit (s); Bills of exchange (s); Fiat money (s); Greenbacks; Legal tender; Money

*Refer from* Busy work; Kindergarten; Paper; Paper cutting (s); Manual training

*Refer from* Paper

*Refer from* Paper

*Refer from* Allegories; Bible; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

*Refer from* Astronomy; Astronomy, Spherical and practical; Heliumeter; Solar parallax (s); Stars; Stellar parallax (s); Sun

*Refer from* Brain; Hemiplegia (s); Medicine — Practice; Palsy (s)

*Refer from* Animal parasites (s); Animals — Diseases; Biology; Botany; Entozoa (s); Epizoa (s); Helminthology (s); Insects, Injurious and beneficial; Medicine — Practice; Pathology; Plants — Diseases; Worms; Zoology

*Refer from* Express companies; Library post; Postal service

*Refer from* Manuscripts; Paper

*Refer from* Crime and criminals; Executive power; Law

*Refer from* Juvenile delinquency; Schools; Truant schools

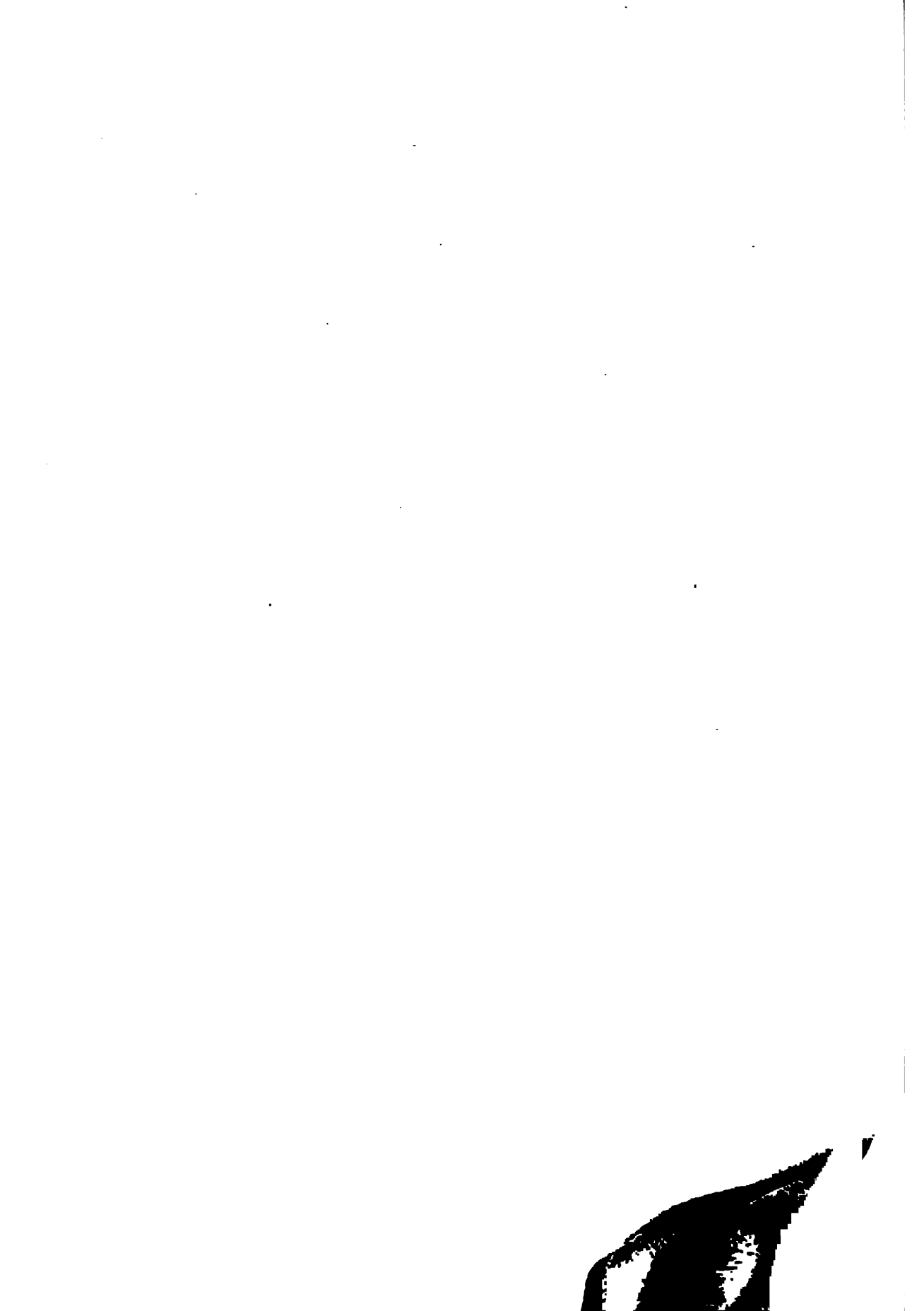
*Refer from* Children; Domestic relations; Family; Fathers; Mothers

*Refer from* Botanical gardens; Cities; Commons; Land; Landscape gardening; Municipal improvement; Playgrounds

*Refer from* Amendments (parliamentary practice); Committees; Debating; Law; Legislation; Legislative bodies; Rules of order (s)

*Refer from* American literature; Burlesques; English literature; German literature; Humor; Literature; Poetry; Satire

*Refer from* Crime and criminals; Discharged prisoners; Indeterminate sentence; Prisons; Probation system; Punishment



**Paper money**

*See also* Bank notes; Banks and banking; Finance; Greenbacks; Legal tender; Money

**Paper work** [for children]

*See also* Paper flowers

**Papier-maché**

Papyri *see* Manuscripts

**Papyrus****Parables**

*See also* Allegories; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Paradise *see* Eden; Heaven

**Parallax**

*See also* Astronomy; Astronomy, Spherical and practical

**Paralysis**

*See also* Apoplexy

Paramagnetism *see* Magnetism

**Parasites**

*See also* Bacteriology; Fungi; Hookworm disease; Insects, Injurious and beneficial

**Parcels post**

*See also* Library post

**Parchment**

*See also* Paper

**Pardon****Parental schools**

*See also* Truant schools

**Parents**

*See also* Ancestor worship; Children; Domestic relations; Eugenics; Family; Fathers; Home education; Heredity; Mothers

Parish schools *see* Church schools

**Parks**

*See also* Amusement parks; Botanical gardens; Commons; Landscape gardening; Municipal improvement; National parks and reserves; Playgrounds; Zoological gardens; *also* names of cities, subhead Parks

Parliament *see* England — Parliament; *also* names of other countries

**Parliamentary practice**

*See also* Amendments (parliamentary practice); Committees; Legislative bodies

*Refer from* Bank notes; Bills of credit (s); Bills of exchange (s); Fiat money (s); Greenbacks; Legal tender; Money

*Refer from* Busy work; Kindergarten; Paper; Paper cutting (s); Manual training

*Refer from* Paper

*Refer from* Paper

*Refer from* Allegories; Bible; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

*Refer from* Astronomy; Astronomy, Spherical and practical; Heliumeter; Solar parallax (s); Stars; Stellar parallax (s); Sun

*Refer from* Brain; Hemiplegia (s); Medicine — Practice; Palay (s)

*Refer from* Animal parasites (s); Animals — Diseases; Biology; Botany; Entozoa (s); Epizoa (s); Helminthology (s); Insects, Injurious and beneficial; Medicine — Practice; Pathology; Plants — Diseases; Worms; Zoology

*Refer from* Express companies; Library post; Postal service

*Refer from* Manuscripts; Paper

*Refer from* Crime and criminals; Executive power; Law

*Refer from* Juvenile delinquency; Schools; Truant schools

*Refer from* Children; Domestic relations; Family; Fathers; Mothers

*Refer from* Botanical gardens; Cities; Commons; Land; Landscape gardening; Municipal improvement; Playgrounds

*Refer from* Amendments (parliamentary practice); Committees; Debating; Law; Legis-



**Parrots**

*See also* Birds

**Parsees**

*See also* Avesta; Fire worship; Zoroastrianism

Parsis *see* Parsees

Parsons *see* Clergy

Part songs *see* Choruses and part songs

**Parthenogenesis**

Parties *see* Balls (parties); Children's parties; Entertaining

Parties, Political, *see* Political parties

**Partnership**

*See also* Agency; Bankruptcy; Commercial law; Corporations; Joint-stock companies; Trade-marks

Party government *see* Political parties

Party platforms *see* Platforms, Political

Passenger coaches *see* Cars

**Passes (free transportation)****Passion plays**

*See also* Miracle, morality and mystery plays; Oberammergau passion play

Passions *see* Emotions

**Passover**

*See also* Jews — Religion; Lord's supper

**Passports****Paste**

*See also* Adhesives; Glue

**Pastel****Pasteurism**

Pastimes *see* Amusements; Games; Sports

**Pastoral poetry**

*See also* Nature in poetry

Pastoral theology *see* Clergy; Pastoral work

**Pastoral work**

*See also* Clergy; Preaching

Pastors *see* Clergy; Pastoral work; Preachers; Priests

**Pastry**

*See also* Baking; Cookery

**Pastures and meadows**

*See also* Forage plants; Grasses; Grazing; Hay

Patent medicines *see* Medicines, Proprietary

**Patents**

*See also* Inventions; Trade-marks

**Paternalism**

*See also* Despotism; Government ownership; Government regulation of industry; Socialism

Pathological botany *see* Plants — Diseases

*Refer from* Birds

*Refer from* Avesta; Fire worship; India — Religion; Parsis (s); Religions; Zoroastrianism

*Refer from* Biology; Embryology; Reproduction

*Refer from* Commerce; Commercial law; Contracts; Joint-stock companies; Law

*Refer from* Railroad passes (s); Railroads; Railroads — Passes (s); Railroads — Rates

*Refer from* Drama; Miracle, morality and mystery plays; Theater

*Refer from* Jews; Jews — Religion; Lord's supper

*Refer from* International law; Travel

*Refer from* Adhesives; Glue

*Refer from* Art; Crayon drawing; Drawing; Painting

*Refer from* Hydrophobia; Inoculation

*Refer from* Bucolic poetry (s); Country life; Eclogues (s); Nature in poetry; Poetry; Rural poetry (s)

*Refer from* Church work; Clergy; Pastoral theology (s); Pastors (s); Theology, Pastoral (s)

*Refer from* Baking; Cookery; Pies (s)

*Refer from* Agriculture; Forage plants; Grasses; Grazing; Hay; Meadows (s); Rotation of crops

*Refer from* Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventions; Law; Letters patent (s); Machinery; Manufactures; Property, Intellectual (s); Trade-marks

*Refer from* Despotism; Government; Government regulation of industry; Socialism





Pathological chemistry *see* Physiological chemistry

Pathological psychology *see* Mental diseases

**Pathology**

*See also* Abscess; Autopsy; Bacteriology; Blood; Contagion and contagious diseases; Diagnosis; Fever; Germ theory of disease; Hair; Hemorrhage; Histology; Hygiene; Immunity; Inflammation; Longevity; Malaria; Medical geography; Medicine; Medicine — Practice; Parasites; Physiological chemistry; Ptomaines; Suppuration; Temperament; Therapeutics; Toxins; Tumors  
— Vegetable, *see* Plants — Diseases

**Patience**

Patience (game) *see* Solitaire

Patriarchal government *see* Patriarchy

**Patriarchs**

*See also* Bible — Old Testament — Genesis

**Patriarchy**

*See also* Tribes and tribal system

**Patriotic societies**

*See also* U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

Patriotic songs *see* National songs; War songs

**Patriotism**

*See also* Citizenship; Loyalty; Preservation of landmarks, scenery, etc.

**Patriots' day**

Patristics *see* Fathers of the church

Petrology *see* Fathers of the church

Patrons of husbandry *see* Grange

**Pattern making**

*See also* Foundry work; Mechanical drawing

Pauline epistles *see* Bible — New Testament —

Epistles

Pauperism *see* Poor

**Pavements**

*See also* Asphalt; Bricks; Concrete; Mosaics; Roads; Roads, Macadamized; Sidewalks; Streets

Paving *see* Pavements

**Pawnbroking**

*See also* Bailments

Pawnshops *see* Pawnbroking

**Peace**

*See also* Arbitration, International; Disarmament; International relations; Militarism; Nonresistance; War

**Peach**

*See also* Fruit

**Pear**

*See also* Fruit

**Pearls**

Pears *see* Pear

*Refer from* Diagnosis; Disease (s); Hygiene; Medicine; Physiology; Therapeutics

*Refer from* Conduct of life; Ethics

*Refer from* Bible; Bible — Old Testament — Biography; Bible — Old Testament — Genesis; Jews

*Refer from* Family; Government; Patriarchal government (s); Tribes and tribal system

*Refer from* Societies; U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

*Refer from* Citizenship; Conduct of life; Ethics; Government; Loyalty; Political ethics; Public spirit (s)

*Refer from* Holidays

*Refer from* Foundry work; Machine shop practice; Machinery; Mechanical drawing; Metals

*Refer from* Asphalt; Bricks; Cement; Concrete; Floors; Municipal engineering; Municipal improvement; Paving (s); Roads; Sidewalks; Streets

*Refer from* Bailments; Banks and banking; Commerce; Pawnshops (s)

*Refer from* Arbitration, International; Disarmament; Ethics; International law; International relations; Militarism; Nonresistance; Sociology; War

*Refer from* Fruit

*Refer from* Fruit; Pears (s)

*Refer from* Diving; Jewelry; Mollusks; Oysters; Precious stones



**Peasantry**

*See also* Farm labor; Peasants' war; Villeinage

**Peasants' war, 1524-1525**

*See also* Anabaptists; Germany — History — 1517-1740; Reformation — Germany

**Peat**

*See also* Briquets; Geology, Economic

**Pedagogy** *see* Teaching**Peddlers and peddling**

*See also* Salesmanship; Street cries

**Pedestrianism** *see* Walking

**Pediatrics** *see* Children — Care and hygiene; Children — Diseases

**Pedigrees** *see* Genealogy; Heraldry; Horse

**Peerage**

*See also* Aristocracy; Heraldry; Knights and knighthood; Titles of honor and nobility

**Pelagianism**

*See also* Church history — Early church

**Pelagic fauna** *see* Marine zoology

**Pellagra****Peloponnesian war**

*See also* Greece — History

**Pen and ink drawing** *see* Pen drawing

**Pen drawing**

**Penal codes** *see* Criminal law

**Penal colonies**

*See also* Exile; Siberia — Exiles

**Penal institutions** *see* Penal colonies; Prisons; Reformatories

**Penal law** *see* Criminal law

**Penance**

*See also* Absolution; Church discipline; Confession; Fasting; Pilgrimages; Repentance

**Pendulum**

*See also* Earth — Rotation; Gravitation

**Peninsular campaign, 1862**

*See also* Army of the Potomac; U. S. — History — Civil war

**Peninsular war, 1807-1814**

*See also* Europe — History — 1789-; Napoleonic wars; Spain — History — 1700-

**Penitence** *see* Repentance

**Penitentes** *see* Flagellants

**Penitentiaries** *see* Prisons

*Refer from* Agriculture; Country life; Farm labor; Feudalism; Labor and laboring classes

*Refer from* Anabaptists; Germany — History — 1517-1740; Peasantry; Reformation — Germany

*Refer from* Bog fuel (s); Fertilizers and manures; Fuel; Geology, Economic; Physical geography

*Refer from* Business; Commercial travelers; Hucksters (s); Merchants; Street cries

*Refer from* Aristocracy; Baronage (s); Baronetage (s); Biography; Class distinction; Genealogy; Heraldry; Knightage (s); Knights and knighthood; Nobility (s); Titles of honor and nobility

*Refer from* Church history — Early church; Theology

*Refer from* Medicine — Practice; Skin — Diseases

*Refer from* Greece — History

*Refer from* Drawing; Pen and ink drawing (s)

*Refer from* Banishment (s); Colonies and colonization; Convicts (s); Crime and criminals; Deportation (s); Exile; Exportation (s); Labor colonies (s); Penal institutions (s); Prisons; Punishment; Transportation of criminals (s)

*Refer from* Absolution; Catholic church; Church discipline; Church polity; Confession; Pilgrimages; Repentance; Sacraments; Theology

*Refer from* Clocks and watches; Geodesy; Gravitation; Physics; Timekeepers

*Refer from* Army of the Potomac; U. S. — History — Civil war — Campaigns and battles

*Refer from* England — History — 1714-1837; Europe — History — 1789-; France — History — Consulate and empire; Napoleonic wars; Portugal — History; Spain — History — 1700-



**Palaces**

*See also* Architecture; Castles; *also* names of palaces, e.g. Alhambra, Louvre, Versailles (palace), Windsor castle

**Palaeontology** *see* Paleontology

**Paleobotany** *see* Fossil plants

**Paleography**

*See also* Abbreviations; Alphabet; Books; Charters; Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

**Paleolithic period** *see* Stone age

**Paleontology** [subdivided like Geology, Stratigraphic]

*See also* Animals, Extinct; Footprints, Fossil; Fossil plants; Geology; *also* names of fossil animals, e.g. Mammoths, Trilobites; and subhead Fossil under names of animals and classes of animals, e.g. Birds, Fossil; Insects, Fossil; Invertebrates, Fossil; Mollusks, Fossil; Reptiles, Fossil

— U. S.

*See also* Geology — U. S.

**Paleozoic era** *see* Geology, Stratigraphic — Paleozoic; Paleontology — Paleozoic

**Palmistry**

**Palsy** *see* Paralysis

**Panama canal**

*See also* Canal Zone; Ship canals

**Panics**

*See also* Business depression; Speculation; Unemployed

**Panislamism****Panoramas**

*See also* Cycloramas

**Panslavism****Pantheism**

*See also* God; Monism; Vedanta

**Pantomime**

*See also* Amateur theatricals; Ballet; Gesture; Puppet plays; Shadow pantomimes

**Papacy** *see* Catholic church; Popes

**Papal bulls** *see* Bulls, Papal

**Papal schism** *see* Schism, The great western, 1378-1417

**Paper**

*See also* Cellulose; Marbling; Paper work; Papier-maché; Papyrus; Parchment; Stationery; Wall paper; Wood pulp

**Paper cutting** *see* Paper work

**Paper flowers**

**Paper hanging** *see* Wall paper

*Refer from* Architecture

*Refer from* Alphabet; Archives; Diplomatics (s); Illumination of manuscripts and books; Inscriptions; Manuscripts; Writing

*Refer from* Animals, Extinct; Animals, Fossil (s); Extinct animals (s); Fossil plants; Fossils (s); Geology; Geology, Stratigraphic; Mammoths; Man; Natural history; Palaeontology (s); Petrification (s); Science; Zoology

*Refer from* Geology — U. S.; U. S. — Paleontology (s)

*Refer from* Amusements; Character; Character reading (s); Cheiromnomy (s); Cheiromancy (s); Cheirosophy (s); Chiromnomy (s); Chiromancy (s); Chirosophy (s); Divination; Fortune telling; Hand; Superstition

*Refer from* Canal Zone; Canals; Isthmian canal (s); Ship canals

*Refer from* Business; Business depression; Commerce; Commercial crises (s); Crises, Commercial (s); Economics; Finance; Financial crises (s); Hard times (s); Prices; Prosperity; Speculation; Stock exchange

*Refer from* Eastern question (Near East); Mohammedanism

*Refer from* Cycloramas; Entertainments; Pictures

*Refer from* Eastern question (Near East); Europe — Politics; Russia; Slavs

*Refer from* God; Monism; Philosophy; Religion; Skepticism; Theology

*Refer from* Acting; Amateur theatricals; Amusements; Ballet; Drama; Entertainments; Gesture; Sign language; Theater

*Refer from* Cellulose; Chemistry, Technical; Manufactures; Parchment; Printing; Stationery; Wood pulp; Writing

*Refer from* Artificial flowers; Flowers; Paper work



**Paper money**

*See also* Bank notes; Banks and banking; Finance; Greenbacks; Legal tender; Money

**Paper work** [for children]

*See also* Paper flowers

**Papier-maché**

Papyri *see* Manuscripts

**Papyrus**

**Parables**

*See also* Allegories; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

Paradise *see* Eden; Heaven

**Parallax**

*See also* Astronomy; Astronomy, Spherical and practical

**Paralysis**

*See also* Apoplexy

Paramagnetism *see* Magnetism

**Parasites**

*See also* Bacteriology; Fungi; Hookworm disease; Insects, Injurious and beneficial

**Parcels post**

*See also* Library post

**Parchment**

*See also* Paper

**Pardon**

**Parental schools**

*See also* Truant schools

**Parents**

*See also* Ancestor worship; Children; Domestic relations; Eugenics; Family; Fathers; Home education; Heredity; Mothers

Parish schools *see* Church schools

**Parks**

*See also* Amusement parks; Botanical gardens; Commons; Landscape gardening; Municipal improvement; National parks and reserves; Playgrounds; Zoological gardens; *also* names of cities, subhead Parks

Parliament *see* England — Parliament; *also* names of other countries

**Parliamentary practice**

*See also* Amendments (parliamentary practice); Committees; Legislative bodies

Parochial schools *see* Church schools

**Parodies**

*See also* Burlesques

**Parole**

*See also* Discharged prisoners; Probation system

*Refer from* Bank notes; Bills of credit (s); Bills of exchange (s); Fiat money (s); Greenbacks; Legal tender; Money

*Refer from* Busy work; Kindergarten; Paper; Paper cutting (s); Manual training

*Refer from* Paper

*Refer from* Paper

*Refer from* Allegories; Bible; Bible — New Testament — Gospels; Fables; Jesus Christ — Teaching

*Refer from* Astronomy; Astronomy, Spherical and practical; Heliometer; Solar parallax (s); Stars; Stellar parallax (s); Sun

*Refer from* Brain; Hemiplegia (s); Medicine — Practice; Palsy (s)

*Refer from* Animal parasites (s); Animals — Diseases; Biology; Botany; Entozoa (s); Epizoa (s); Helminthology (s); Insects, Injurious and beneficial; Medicine — Practice; Pathology; Plants — Diseases; Worms; Zoology

*Refer from* Express companies; Library post; Postal service

*Refer from* Manuscripts; Paper

*Refer from* Crime and criminals; Executive power; Law

*Refer from* Juvenile delinquency; Schools; Truant schools

*Refer from* Children; Domestic relations; Family; Fathers; Mothers

*Refer from* Botanical gardens; Cities; Commons; Land; Landscape gardening; Municipal improvement; Playgrounds

*Refer from* Amendments (parliamentary practice); Committees; Debating; Law; Legislation; Legislative bodies; Rules of order (s)

*Refer from* American literature; Burlesques; English literature; German literature; Humor; Literature; Poetry; Satire

*Refer from* Crime and criminals; Discharged prisoners; Indeterminate sentence; Prisons; Probation system; Punishment





**Parrots**

*See also* Birds

**Parsees**

*See also* Avesta; Fire worship; Zoroastrianism

Parsis *see* Parsees

Parsons *see* Clergy

Part songs *see* Choruses and part songs

**Parthenogenesis**

Parties *see* Balls (parties); Children's parties; Entertaining

Parties, Political, *see* Political parties

**Partnership**

*See also* Agency; Bankruptcy; Commercial law; Corporations; Joint-stock companies; Trade-marks

Party government *see* Political parties

Party platforms *see* Platforms, Political

Passenger coaches *see* Cars

**Passes (free transportation)****Passion plays**

*See also* Miracle, morality and mystery plays; Oberammergau passion play

Passions *see* Emotions

**Passover**

*See also* Jews — Religion; Lord's supper

**Passports****Paste**

*See also* Adhesives; Glue

**Pastel****Pasteurism**

Pastimes *see* Amusements; Games; Sports

**Pastoral poetry**

*See also* Nature in poetry

Pastoral theology *see* Clergy; Pastoral work

**Pastoral work**

*See also* Clergy; Preaching

Pastors *see* Clergy; Pastoral work; Preachers; Priests

**Pastry**

*See also* Baking; Cookery

**Pastures and meadows**

*See also* Forage plants; Grasses; Grazing; Hay

Patent medicines *see* Medicines, Proprietary

**Patents**

*See also* Inventions; Trade-marks

**Paternalism**

*See also* Despotism; Government ownership; Government regulation of industry; Socialism

Pathological botany *see* Plants — Diseases

**Refer from Birds**

*Refer from* Avesta; Fire worship; India — Religion; Parsis (s); Religions; Zoroastrianism

**Refer from Biology; Embryology; Reproduction**

*Refer from* Commerce; Commercial law; Contracts; Joint-stock companies; Law

*Refer from* Railroad passes (s); Railroads; Railroads — Passes (s); Railroads — Rates

*Refer from* Drama; Miracle, morality and mystery plays; Theater

*Refer from* Jews; Jews — Religion; Lord's supper

*Refer from* International law; Travel

*Refer from* Adhesives; Glue

*Refer from* Art; Crayon drawing; Drawing; Painting

*Refer from* Hydrophobia; Inoculation

*Refer from* Bucolic poetry (s); Country life; Eclogues (s); Nature in poetry; Poetry; Rural poetry (s)

*Refer from* Church work; Clergy; Pastoral theology (s); Pastors (s); Theology, Pastoral (s)

*Refer from* Baking; Cookery; Pies (s)

*Refer from* Agriculture; Forage plants; Grasses; Grazing; Hay; Meadows (s); Rotation of crops

*Refer from* Discoveries (in science) (s); Industrial arts; Intellectual property (s); Inventions; Law; Letters patent (s); Machinery; Manufactures; Property, Intellectual (s); Trade-marks

*Refer from* Despotism; Government; Government regulation of industry; Socialism



Pathological chemistry *see* Physiological chemistry

Pathological psychology *see* Mental diseases

**Pathology**

*See also* Abscess; Autopsy; Bacteriology; Blood; Contagion and contagious diseases; Diagnosis; Fever; Germ theory of disease; Hair; Hemorrhage; Histology; Hygiene; Immunity; Inflammation; Longevity; Malaria; Medical geography; Medicine; Medicine — Practice; Parasites; Physiological chemistry; Ptomaines; Suppuration; Temperament; Therapeutics; Toxins; Tumors — Vegetable, *see* Plants — Diseases

**Patience**

Patience (game) *see* Solitaire

Patriarchal government *see* Patriarchy

**Patriarchs**

*See also* Bible — Old Testament — Genesis

**Patriarchy**

*See also* Tribes and tribal system

**Patriotic societies**

*See also* U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

Patriotic songs *see* National songs; War songs

**Patriotism**

*See also* Citizenship; Loyalty; Preservation of landmarks, scenery, etc.

**Patriots' day**

Patristics *see* Fathers of the church

Petrology *see* Fathers of the church

Patrons of husbandry *see* Grange

**Pattern making**

*See also* Foundry work; Mechanical drawing

Pauline epistles *see* Bible — New Testament — Epistles

Pauperism *see* Poor

**Pavements**

*See also* Asphalt; Bricks; Concrete; Mosaics; Roads; Roads, Macadamized; Sidewalks; Streets

Paving *see* Pavements

**Pawnbroking**

*See also* Bailments

Pawnshops *see* Pawnbroking

**Peace**

*See also* Arbitration, International; Disarmament; International relations; Militarism; Nonresistance; War

**Peach**

*See also* Fruit

**Pear**

*See also* Fruit

**Pearls**

Pears *see* Pear

*Refer from* Diagnosis; Disease (s); Hygiene; Medicine; Physiology; Therapeutics

*Refer from* Conduct of life; Ethics

*Refer from* Bible; Bible — Old Testament — Biography; Bible — Old Testament — Genesis; Jews

*Refer from* Family; Government; Patriarchal government (s); Tribes and tribal system

*Refer from* Societies; U. S. — History — Revolution — Societies; U. S. — History — Civil war — Societies

*Refer from* Citizenship; Conduct of life; Ethics; Government; Loyalty; Political ethics; Public spirit (s)

*Refer from* Holidays

*Refer from* Foundry work; Machine shop practice; Machinery; Mechanical drawing; Metals

*Refer from* Asphalt; Bricks; Cement; Concrete; Floors; Municipal engineering; Municipal improvement; Paving (s); Roads; Sidewalks; Streets

*Refer from* Bailments; Banks and banking; Commerce; Pawnshops (s)

*Refer from* Arbitration, International; Disarmament; Ethics; International law; International relations; Militarism; Nonresistance; Sociology; War

*Refer from* Fruit

*Refer from* Fruit; Pears (s)

*Refer from* Diving; Jewelry; Mollusks; Oysters; Precious stones



**Peasantry**

*See also* Farm labor; Peasants' war; Villeinage

**Peasants' war, 1524-1525**

*See also* Anabaptists; Germany — History — 1517-1740; Reformation — Germany

**Peat**

*See also* Briquets; Geology, Economic

**Pedagogy** *see* Teaching**Peddlers and peddling**

*See also* Salesmanship; Street cries

**Pedestrianism** *see* Walking**Pediatrics** *see* Children — Care and hygiene;

Children — Diseases

**Pedigrees** *see* Genealogy; Heraldry; Horse**Peerage**

*See also* Aristocracy; Heraldry; Knights and knighthood; Titles of honor and nobility

**Pelagianism**

*See also* Church history — Early church

**Pelagic fauna** *see* Marine zoology**Pellagra****Peloponnesian war**

*See also* Greece — History

**Pen and ink drawing** *see* Pen drawing**Pen drawing****Penal codes** *see* Criminal law**Penal colonies**

*See also* Exile; Siberia — Exiles

**Penal institutions** *see* Penal colonies; Prisons; Reformatories**Penal law** *see* Criminal law**Penance**

*See also* Absolution; Church discipline; Confession; Fasting; Pilgrimages; Repentance

**Pendulum**

*See also* Earth — Rotation; Gravitation

**Peninsular campaign, 1862**

*See also* Army of the Potomac; U. S. — History — Civil war

**Peninsular war, 1807-1814**

*See also* Europe — History — 1789-; Napoleonic wars; Spain — History — 1700-

**Penitence** *see* Repentance**Penitentes** *see* Flagellants**Penitentiaries** *see* Prisons

*Refer from* Agriculture; Country life; Farm labor; Feudalism; Labor and laboring classes

*Refer from* Anabaptists; Germany — History — 1517-1740; Peasantry; Reformation — Germany

*Refer from* Bog fuel (s); Fertilizers and manures; Fuel; Geology, Economic; Physical geography

*Refer from* Business; Commercial travelers; Hucksters (s); Merchants; Street cries

*Refer from* Aristocracy; Baronage (s); Baronetage (s); Biography; Class distinction; Genealogy; Heraldry; Knightage (s); Knights and knighthood; Nobility (s); Titles of honor and nobility

*Refer from* Church history — Early church; Theology

*Refer from* Medicine — Practice; Skin — Diseases

*Refer from* Greece — History

*Refer from* Drawing; Pen and ink drawing (s)

*Refer from* Banishment (s); Colonies and colonization; Convicts (s); Crime and criminals; Deportation (s); Exile; Exportation (s); Labor colonies (s); Penal institutions (s); Prisons; Punishment; Transportation of criminals (s)

*Refer from* Absolution; Catholic church; Church discipline; Church polity; Confession; Pilgrimages; Repentance; Sacraments; Theology

*Refer from* Clocks and watches; Geodesy; Gravitation; Physics; Timekeepers

*Refer from* Army of the Potomac; U. S. — History — Civil war — Campaigns and battles

*Refer from* England — History — 1714-1837; Europe — History — 1789-; France — History — Consulate and empire; Napoleonic wars; Portugal — History; Spain — History — 1700-



**Penmanship**

*See also* Graphology; Lettering; Writing

Pennsylvania Dutch *see* Germans in Pennsylvania

Pennsylvania Germans *see* Germans in Pennsylvania

Penny lunches *see* School lunches

Penology *see* Punishment

**Pens****Pensions**

*See also* Annuities; Bounties, Military; Civil service pensions; Old age pensions; Railroads — Pensions; Soldiers' homes; Teachers — Salaries, pensions, etc.

— U. S.

Pentateuch *see* Bible — Old Testament — Pentateuch

**Peonage**

*See also* Contract labor

**People**

*See also* Democracy; Folklore; Labor and laboring classes; Liberty; Nations; Poor; Public opinion; Sociology

People's palaces *see* Social centers

**Pequot war, 1636-1638**

*See also* Connecticut — History; Indians — Wars; U. S. — History — Colonial period

**Perception**

*See also* Apperception; Hearing; Psychology; Senses and sensation; Sight; Space perception

Perfection, Christian, *see* Sanctification

**Perfumery**

*See also* Chemistry, Technical; Incense

Perfumes *see* Odors; Perfumery

**Pergolas**

*See also* Architecture

**Periodic law**

*See also* Chemistry, Physical

**Periodicals**

*See also* Advertising; Chapbooks; Children's periodicals; Journalism; Liberty of the press; Newspapers; Students' periodicals; *also* subhead Periodicals under various subjects

— **England**

*See also* Newspapers — England

— **Indexes**

— **U. S.**

*See also* Newspapers — U. S.

**Perjury**

*See also* Oaths; Witnesses

*Refer from* Business education; Calligraphy (s); Chirography (s); Graphology; Handwriting (s); Writing

*Refer from* Manufactures; Writing

*Refer from* Annuities; Compensation (s); Poor; Soldiers

*Refer from* U. S. — Pensions (s)

*Refer from* Contract labor; Labor and laboring classes; Serfdom; Slavery

*Refer from* Sociology

*Refer from* Connecticut — History; Indians — Wars; New England — History; U. S. — History — Colonial period

*Refer from* Apperception; Consciousness; Intellect; Knowledge; Psychology; Psychology, Educational; Senses and sensation; Space perception

*Refer from* Chemistry, Technical; Cosmetics; Costume; Essences and essential oils; Manufactures; Odors; Perfumes (s); Scent (s); Toilet

*Refer from* Architecture; Landscape gardening

*Refer from* Atomic weights; Chemical elements; Chemistry; Chemistry, Physical; Metals

*Refer from* Journalism; Literature; Magazines (s); Newspapers; Press (s)

*Refer from* English literature; English periodicals (s); Newspapers — England

*Refer from* Bibliography; Indexes

*Refer from* American literature; American periodicals (s); Newspapers — U. S.; U. S. — Periodicals (s)

*Refer from* Crime and criminals; Criminal law; Oaths; Witnesses





Permian period *see* Geology, Stratigraphic —  
Permian; Paleontology — Permian

**Perpetual motion**

**Persecution**

*See also* Albigenses; Church and state;  
Friends, Society of; Huguenots; Inquisition;  
Jews — Persecution; Liberty of conscience;  
Martyrs; Massacres; Religious liberty;  
Witchcraft

**Persian language**

*See also* Iranian languages

**Persian literature**

*See also* Avesta; Oriental literature;  
Persian poetry

**Persian poetry**

*See also* Persian literature

Personal beauty *see* Beauty, Personal

Personal liberty *see* Liberty

Personal names *see* Names, Personal

**Personal property**

*See also* Property; Sale; Taxation

Personal religion *see* Christian life and charac-  
ter; Spiritual life

**Personality**

*See also* Consciousness; Individuality;  
Psychical research; Psychology; Soul

Personalty *see* Personal property

**Perspective**

*See also* Drawing; Projection; Proportion  
(art); Shades and shadows

**Perturbation**

*See also* Mechanics, Celestial; Orbits;  
Planets; Satellites

**Pessimism**

*See also* Optimism

Pestilences *see* Epidemics

Pests *see* Agricultural pests; Fungi; House-  
hold pests; Insects, Injurious and beneficial;  
*also* Cotton — Diseases and pests, and  
similar headings

**Petition, Right of**

Petrifaction *see* Petrified forests; Paleontology

**Petrified forests**

*See also* Trees, Fossil

Petrography *see* Rocks

Petrol *see* Gasoline

Petrol engines *see* Gas and oil engines

**Petroleum**

*See also* Coal-tar products; Gas; Gasoline;  
Geology, Economic; Lamps; Liquid fuel

Petroleum engines *see* Gas and oil engines

Petrology *see* Rocks

**Pets**

*See also* Cage birds; Cats; Dogs; Domestic  
animals

*Refer from* Mechanics; Motion

*Refer from* Catholic church; Church his-  
tory; Fanaticism; Heresy; Inquisition; Liber-  
ty of conscience; Martyrs; Religious liberty

*Refer from* Iranian languages

*Refer from* Oriental literature; Persian  
poetry

*Refer from* Persian literature

*Refer from* Chattels (s); Law; Personalty (s);  
Property

*Refer from* Character; Consciousness;  
Double consciousness (s); Double personal-  
ity (s); Dual personality (s); Identity, Person-  
al (s); Individuality; Metaphysics; Multiple  
personality (s); Philosophy; Psychical re-  
search; Psychology; Soul; Subconsciousness

*Refer from* Drawing; Geometrical drawing;  
Geometry; Geometry, Descriptive; Light;  
Mechanical drawing; Painting; Projection;  
Proportion (art); Shades and shadows

*Refer from* Astronomy; Mechanics, Celestial;  
Orbits; Planets; Satellites

*Refer from* Optimism; Philosophy

*Refer from* Government; Law; Right of  
petition (s)

*Refer from* Forests, Petrified (s); Fossil  
plants; Petrifaction (s); Trees, Fossil

*Refer from* Chemistry, Technical; Coal  
oil (s); Coal-tar products; Commercial prod-  
ucts; Fuel; Gas; Geology, Economic; Kero-  
sene (s); Lighting; Liquid fuel; Mineral  
oils (s); Oil (s); Oil wells (s); Wells

*Refer from* Animals; Domestic animals



**Pewter**

*See also* Alloys

Phallic worship *see* Phallicism

**Phallicism**

**Phanerogams**

*See also* Botany, and references under that subject

Phansigars *see* Thugs

Phantoms *see* Apparitions

**Pharmacists**

*See also* Chemists

Pharmacognosy *see* Drugs; Pharmacy

Pharmacology *see* Drugs; Pharmacy

**Pharmacopoeias**

*See also* Dispensatories; Drugs; Materia medica

**Pharmacy**

*See also* Dispensatories; Drugs; Homeopathy; Materia medica; Medical botany; Pharmacists; Pharmacopoeias; Prescriptions

**Philanthropists**

*See also* Philanthropy

**Philanthropy**

*See also* Altruism; Charitable societies; Charities; Charity; Philanthropists; Social settlements; Social work

Philately *see* Postage stamps

**Philippine languages**

*See also* Oceanic languages

Philology *see* Language

**Philosophers**

**Philosopher's stone**

*See also* Alchemy; Elixir of life

Philosophical instruments *see* Scientific apparatus and instruments

**Philosophy**

*See also* Agnosticism; Analogy; Atheism; Axioms; Being; Belief; Biology; Causation; Certainty; Chance; Christianity; Creation; Critical philosophy; Deism; Dualism; Egoism; Empiricism; Enlightenment; Epicureans; Esthetics; Eternity; Ethics; Evidence; Evolution; Fate and fatalism; Force and energy; Future life; Gnosticism; God; Hedonism; Humanism; Idealism; Individuality; Infinite; Intellect; Knowledge; Liberty; Life; Logic; Man; Manicheism; Materialism; Matter; Metaphysics; Mind and body; Monadology; Monism; Mysticism; Natural religion; Naturalism; Nature; Necessity; Neoplatonism; New thought; Nihilism; Optimism; Pantheism; Personality; Pessimism; Philosophers; Physics; Platonists; Pluralism; Positivism; Pragmatism; Psychology; Rationalism; Realism; Reality; Reason; Religion; Religion and science; Scholasticism; Science; Skepticism; Sophists; Soul; Space; Spiritualism; Stoics; Supernatural; Taoism; Teleology; Theism; Theology; Theosophy; Thought and think-

*Refer from* Alloys; Arts and crafts; Hall marks; Lead; Metal work; Plate; Tin

*Refer from* Nature worship; Phallic worship (s); Sex worship (s)

*Refer from* Botany

*Refer from* Apothecaries (s); Biography; Chemists; Druggists (s); Pharmacy

*Refer from* Dispensatories; Drugs; Materia medica; Medical botany; Pharmacy

*Refer from* Chemistry; Chemistry, Medical (s); Chemistry, Pharmaceutical (s); Drugs; Materia medica; Medical botany; Medical chemistry (s); Medicine; Pharmacognosy (s); Pharmacology (s); Prescriptions; Therapeutics

*Refer from* Biography; Philanthropy

*Refer from* Benevolence (s); Charities; Ethics; Gifts; Giving (s); Philanthropists; Poor

*Refer from* Oceanic languages

*Refer from* Biography; Philosophy

*Refer from* Alchemy; Elixir of life; Stone, Philosopher's (s)

*Refer from* Ethics; Knowledge; Life; Mental philosophy (s); Metaphysics; Ontology (s); Psychology; Reason; Religion; Science; Theology; Thought and thinking



**Philosophy** — Continued

ing; Time; Transcendentalism; Truth; Universe; Utilitarianism; Will; *also* subhead Philosophy under various subjects, e.g. History — Philosophy

— **Ancient**

*See also* Philosophy, Greek; Philosophy, Oriental

— **Chinese**

*See also* Philosophy, Oriental; Taoism

— **Critical**, *see* Critical philosophy

— **English**

*See also* Philosophy, Modern; Utilitarianism

— **French**

*See also* Encyclopedists; Philosophy, Modern; Positivism

— **German**

*See also* Critical philosophy; Philosophy, Modern; Transcendentalism

— **Greek**

*See also* Epicureans; Philosophy, Ancient; Platonists; Sophists; Stoics

— **Hindu**

*See also* Philosophy, Oriental; Vedanta; Yoga

— **Medieval**

*See also* Scholasticism

— **Modern**

*See also* Agnosticism; Enlightenment; Evolution; New thought; Pragmatism; Rationalism; Transcendentalism; *also* Philosophy, English; Philosophy, French; Philosophy, German; etc.

— **Moral**, *see* Ethics

— **Natural**, *see* Physics

— **Oriental**

*See also* Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

— **Persian**

*See also* Manicheism; Philosophy, Oriental

Philosophy of history *see* History — Philosophy  
Philosophy of religion *see* Religion — Philosophy

Phlebotomy *see* Bloodletting

Phonetic spelling *see* Spelling reform

**Phonetics**

*See also* Alphabet; Pronunciation; Speech; Spelling

**Phonograph**

*See also* Telephonograph

Phonography *see* Shorthand

Phonology *see* Phonetics

**Phosphates**

*See also* Bone products; Fertilizers and manures; Geology, Economic

**Phosphorescence**

*Refer from* Philosophy, Greek

*Refer from* Chinese philosophy (s); Philosophy, Oriental; Taoism

*Refer from* English philosophy (s); Philosophy, Modern; Utilitarianism

*Refer from* French Philosophy (s); Philosophy, Modern; Positivism

*Refer from* Critical philosophy; German philosophy (s); Philosophy, Modern

*Refer from* Epicureans; Greek philosophy (s); Philosophy, Ancient; Platonists; Sophists; Stoics

*Refer from* Hindu philosophy (s); Hinduism; Philosophy, Oriental; Vedanta; Yoga

*Refer from* Medieval philosophy (s); Scholasticism

*Refer from* Modern philosophy (s); Philosophy, English; Philosophy, French; Philosophy, German

*Refer from* Oriental philosophy (s); Philosophy, Ancient; Philosophy, Chinese; Philosophy, Hindu; Philosophy, Persian

*Refer from* Manicheism; Philosophy, Oriental

*Refer from* Language; Orthoepey (s); Phonology (s); Pronunciation; Sound

*Refer from* Electricity; Gramophone (s); Graphophone (s); Sound; Talking machines (s)

*Refer from* Agricultural chemistry; Bone products; Fertilizers and manures; Geology, Economic

*Refer from* Botany — Physiology; Light; Ocean; Radioactivity; Zoology



**Photomechanical processes**

*See also* Collotype; Heliotype; Photo-engraving; Photogravure; Photolithography

**Photometry**

*See also* Color; Light

**Photomicrography**

*See also* Microscope and microscopy

**Phototherapy**

*See also* Radiotherapy

Phototopography *see* Photographic surveying

Phrase-books *see* names of languages

**Phrasing (music)**

*See also* Musical form

**Phrenology**

*See also* Physiognomy

Phthisis *see* Tuberculosis

Physical chemistry *see* Chemistry, Physical

Physical culture *see* Physical education

**Physical deterioration**

*See also* Degeneration; Heredity

**Physical education**

*See also* Athletics; College athletics; Delsarte system; Exercise; Games; Gymnasiums; Gymnastics; Gymnastics, Medical; Indian clubs; Jiu-jitsu; Play; Running; School athletics; Sports; Training; Walking

**Physical geography**

*See also* Alluvium; Altitudes; Bays and gulfs; Beaches; Caves; Climate; Coast changes; Continents; Deltas; Deserts; Droughts; Dunes; Earth; Earthquakes; Erosion; Geochemistry; Geographical distribution of animals and plants; Geography; Geology; Geysers and hot springs; Glaciers; Hydrography; Ice; Icebergs; Islands; Lakes; Landslides; Magnetism, Terrestrial; Meteorology; Moraines; Mountains; Nature; Ocean; Peat; Plains; Ponds; Prairies; Rivers; Seashore; Springs; Steppes; Tides; Tropics; Valleys; Volcanoes; Water; Water, Underground; Waterfalls; Waterspouts; Waves

—U. S.

*See also* Geology — U. S.; U. S.—Altitudes

Physical geology *see* Geology

Physical instruments *see* Scientific apparatus and instruments

Physical training *see* Athletics; Physical education

**Physicians and surgeons**

*See also* Anecdotes, Medical; Medical ethics; Women as physicians

*Refer from* Collotype; Heliotype; Illustration of books; Photo-engraving; Photography; Photogravure; Photolithography; Process work (s)

*Refer from* Electric lighting; Light; Lighting

*Refer from* Microphotography (s); Microscope and microscopy; Photography

*Refer from* Blue glass cure (s); Light; Light cure (s); Therapeutics

*Refer from* Music; Musical form; Piano — Instruction and study

*Refer from* Brain; Character; Character reading (s); Head; Man; Mind and body; Physiognomy; Physiology; Psychology; Psychology, Physiological

*Refer from* Degeneration; Heredity; Physiology

*Refer from* Athletics; Calisthenics (s); Callisthenics (s); Education; Exercise; Gymnasiums; Gymnastics; Gymnastics, Medical; Hygiene; Manly exercise (s); Muscles; Physical culture (s); Physical training (s); Sports; Training

*Refer from* Alluvium; Beaches; Climate; Coast changes; Continents; Deltas; Dunes; Earth; Earthquakes; Erosion; Geography; Geography, Physical (s); Geology; Geonomy (s); Glaciers; Icebergs; Islands; Lakes; Meteorology; Moraines; Mountains; Natural history; Ocean; Physics; Physiography (s); Rivers; Science; Valleys; Volcanoes; Water

*Refer from* Geology — U. S.; U. S.—Geography (s); U. S.—Physical geography (s)

*Refer from* Biography; Doctors (s); Medical biography (s); Medical directories (s); Medical ethics; Medicine; Medicine — Directories (s); Surgeons (s); Surgery





## Physics

*See also* Agricultural physics; Air; Astronomy; Atoms; Barometer; Capillarity; Chemistry; Chemistry, Physical; Compressibility; Condensation; Diamagnetism; Dynamics; Elasticity; Electricity; Electrostatics; Ether (of space); Evaporation; Expansion (physics); Fluids; Force and energy; Friction; Gases; Gravitation; Gyroscope; Heat; Hydraulics; Hydrostatics; Kinematics; Light; Liquefaction of gases; Liquid air; Liquids; Magnetism; Matter; Mechanics; Meteorology; Molecules; Motion; Motors; Osmosis; Pendulum; Physical geography; Radiation; Radioactivity; Rotation; Soap bubbles; Solids; Sound; Statics; Steam; Thermodynamics; Thermometer; Units; Velocity; Vibration; Viscosity; Water; Waves

### —Experiments

*See also* Electricity — Experiments; Physics — Laboratory manuals

### —Laboratory manuals

*See also* Physics — Experiments

## Physiocrats

## Physiognomy

*See also* Expression; Face; Phrenology

Physiography *see* Physical geography

Physiological botany *see* Botany — Physiology

## Physiological chemistry

*See also* Absorption (physiology); Animal heat; Antitoxins; Blood; Cells; Chemistry, Legal; Digestion; Enzymes; Fermentation; Gelatin; Metabolism; Osmosis; Proteins

Physiological psychology *see* Psychology, Physiological

## Physiology

*See also* Absorption (physiology); Anatomy; Biology; Blood; Brain; Breathing; Color of man; Deformities; Degeneration; Digestion; Digestive system; Electrophysiology; Embryology; Growth; Heredity; Hygiene; Longevity; Man; Medicine; Metabolism; Mind and body; Monsters; Morphology; Muscles; Nervous system; Nutrition; Pathology; Phrenology; Physical deterioration; Physiognomy; Physiological chemistry; Protoplasm; Psychology, Physiological; Puberty; Respiratory organs; Senses and sensation; Sex; Sleep; Urinary organs; Vascular system; Voice; Yawning

### —Comparative

Physiology of plants *see* Botany — Physiology

Phytogeography *see* Geographical distribution of animals and plants

## Pianists

*See also* Musicians

*Refer from* Atoms; Chemistry; Chemistry, Physical; Dynamics; Electricity; Fluids; Force and energy; Gravitation; Heat; Hydraulics; Hydrostatics; Light; Magnetism; Mathematics; Matter; Mechanics; Molecules; Natural history; Natural philosophy (s); Natural science (s); Philosophy; Philosophy, Natural (s); Science; Sound; Vibration

*Refer from* Experiments (s); Physics — Laboratory manuals

*Refer from* Physics — Experiments

*Refer from* Economics; Single tax

*Refer from* Character; Character reading (s); Expression; Face; Head; Man; Phrenology; Physiology; Psychology

*Refer from* Animal chemistry (s); Animal heat; Biological chemistry (s); Blood; Cells; Chemistry; Chemistry, Animal (s); Chemistry, Biological (s); Chemistry, Medical (s); Chemistry, Organic; Chemistry, Pathological (s); Chemistry, Physiological (s); Gelatin; Histochemistry (s); Medical chemistry (s); Medicine; Metabolism; Pathological chemistry (s); Pathology; Physiology; Proteins

*Refer from* Anatomy; Biology; Blood; Body, Human (s); Breathing; Digestive system; Human body (s); Hygiene; Man; Medicine; Metabolism; Muscles; Nervous system; Respiratory organs; Vascular system

*Refer from* Comparative physiology (s); Zoology

*Refer from* Musicians; Piano



**Piano**

*See also* Harpsichord; Musical instruments; Pianists; Piano music; Piano players; Tuning

**—Instruction and study**

*See also* Music — Instruction and study; Musical accompaniment; Phrasing (music)

**Piano music**

*See also* Dance music; Instrumental music; Sonatas

**—Scores**

*See also* Duets, Instrumental; Sonatas

**Piano players**

Pianoforte *see* Piano

Pianola *see* Piano players

**Picnics**

Pictographs *see* Picture writing

**Picts**

*See also* Celts; Scotland — Antiquities; Scotland — History

**Picture books****Picture frames**

Picture posters *see* Posters

**Picture writing**

*See also* Hieroglyphics

**Pictures**

*See also* Animals — Pictures; Art — Exhibitions; Art — Galleries and museums; Art forgeries; Caricature and cartoons; Drawings; Engravings; Etchings; Libraries and pictures; Moving pictures; Paintings; Panoramas; Photographs; Picture frames; Portraits; Views

**Picturesque**

*See also* Esthetics; Landscape

Piece-work *see* Wages

Pieces to speak *see* Recitations and readings

Piers *see* Bridges — Foundations and piers; Wharves

Pies *see* Pastry

**Pietists**

*See also* Germany — Religious history

Pig *see* Swine

Pig iron *see* Cast iron

**Pigeons**

*See also* Birds

Pigmentation *see* Color of animals; Color of man; Skin

Pigments *see* Color; Dyes and dyeing; Paint

Pigmies *see* Dwarfs

Pigs *see* Swine

**Piles and pile driving**

*See also* Breakwaters; Cofferdams; Foundations; Wharves

**Pilgrim fathers**

*See also* Brownists; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; Thanksgiving day; U. S. — History — Colonial period

**Pilgrimages**

*See also* Penance; Shrines

*Refer from* Harpsichord; Musical instruments; Pianoforte (s); Spinnet (s); Stringed instruments; Virginal (s)

*Refer from* Music — Instruction and study

*Refer from* Dance music; Instrumental music; Piano

*Refer from* Music — Scores

*Refer from* Piano; Pianola (s)

*Refer from* Amusements; Outdoor life

*Refer from* Celts; Scotland — Antiquities; Scotland — History; Stone age

*Refer from* Children's literature

*Refer from* Frames (for pictures) (s); House decoration; Pictures

*Refer from* Archaeology; Hieroglyphics; Inscriptions; Pictographs (s); Writing

*Refer from* Art; Engravings; Etchings; House decoration; Paintings; Portraits; Views

*Refer from* Esthetics; Landscape; Scenery (s)

*Refer from* Germany — Religious history

*Refer from* Birds; Carrier pigeons (s); Domestic animals; Doves (s); Homing pigeons (s); Poultry; Squabs (s)

*Refer from* Breakwaters; Civil engineering; Cofferdams; Foundations; Wharves

*Refer from* Biography; Brownists; Christian biography; Massachusetts — History; Mayflower (ship); Plymouth; Puritans; U. S. — Biography; U. S. — History — Colonial period

*Refer from* Catholic church; Penance; Shrines; Travel; Voyages and travels



**Pillars** *see* Columns

**Pillory**

**Pilot guides**

**Pilots and pilotage**

*See also* Pilot guides

**Ping-pong**

Pingree plan *see* Vacant lot cultivation

**Pins and needles**

Pioneer life *see* Frontier and pioneer life

**Pipe**

*See also* Boiler scale; Pipe fitting; Steam pipes; Tubes

**Pipe fitting**

*See also* Gas fitting; Plumbing; Steam pipes

Pipe organ *see* Organ

Pipes *see* Pipe; Pipes, Tobacco; Steam pipes

**Pipes, Tobacco**

*See also* Smoking; Tobacco

**Piracy** *see* Pirates

**Pirates**

*See also* Buccaneers; Privateering; Treasure-trove

**Pisces** *see* Fish

Pisciculture *see* Fish culture

**Pistols**

*See also* Firearms

Pitch, Mineral, *see* Asphalt

Place names *see* Names, Geographical

Placer mining *see* Gold dredging; Hydraulic mining

**Plagiarism**

*See also* Literary forgeries and mystifications

**Plague**

*See also* Black death; Epidemics; London — Epidemics

**Plaids** *see* Tartans

Plain chant *see* Chants

Plain song *see* Chants

**Plains**

*See also* Prairies; Steppes

Plainsong *see* Chants

Plane geometry *see* Geometry

Planers *see* Planing machines

**Planetesimal hypothesis**

**Planets**

*See also* Asteroids; Astrology; Astronomy; Earth; Moon; Nebular hypothesis; Occultations; Orbits; Perturbation; Planetesimal hypothesis; Plurality of worlds; Satellites; Solar system; Transits; *also* names of planets

**Planimeter**

**Planing machines**

*See also* Machine tools; Woodworking machinery

*Refer from* Punishment

*Refer from* Coast pilots (s); Navigation; Pilots and pilotage; Sailing directions (s)

*Refer from* Harbors; Inland navigation; Navigation; Sailors

*Refer from* Games; Table tennis (s); Tennis

*Refer from* Manufactures; Needles (s)

*Refer from* Pipes (s); Tubes

*Refer from* Gas fitting; Pipe; Plumbing; Steam fitting (s); Steam pipes

*Refer from* Pipes (s); Smoking; Tobacco; Tobacco pipes (s)

*Refer from* Barbary corsairs (s); Buccaneers; Corsairs (s); Crime and criminals; Filibusters; Freebooters (s); International law; Maritime law; Naval battles; Naval history; Piracy (s)

*Refer from* Arms and armor; Firearms; Guns; Revolvers (s)

*Refer from* Authorship; Literary forgeries and mystifications; Literature

*Refer from* Black death; Bubonic plague (s); Contagion and contagious diseases; Epidemics; London — Epidemics; London — History; Medicine — Practice

*Refer from* Physical geography

*Refer from* Astronomy; Planets; Solar system; Universe

*Refer from* Astronomy; Mechanics. Celestial; Perturbation; Satellites; Solar system; Stars

*Refer from* Mathematical instruments; Surveying instruments

*Refer from* Machine shop practice; Machine tools; Machinery; Planers (s); Woodworking machinery



**Planispheres**

*Refer from Astronomy; Astronomy — Atlases; Stars*

**Plankton**

*See also* Fresh-water life; Marine biology; Marine zoology

Plans (architecture) *see* Architectural drawing; Architecture, Domestic

Plant anatomy *see* Botany, Structural

**Plant breeding**

*See also* Hybridization; Mendel's law; Plant propagation; Seeds — Selection and testing

*Refer from* Biology; Fresh-water life; Marine biology; Marine zoology

*Refer from* Agriculture; Breeding; Fertilization of plants; Floriculture; Gardening; Heredity; Hybridization; Plant propagation; Plants — Breeding (s); Species; Thremmatology (s); Variation (biology)

Plant chemistry *see* Plants — Chemistry and nutrition

Plant diseases *see* Plants — Diseases

Plant embryology *see* Botany — Embryology

**Plant forms**

*See also* Design, Decorative; Flower painting and drawing

*Refer from* Decoration and ornament; Design, Decorative; Floral design (s); Flower forms (s); Flower painting and drawing

Plant geography *see* Geographical distribution of animals and plants

**Plant introduction**

*See also* Acclimatization (plants)

**Plant lice**

*See also* Hemiptera

*Refer from* Acclimatization (plants); Geographical distribution of animals and plants

*Refer from* Aphididae (s); Hemiptera; Insects, Injurious and beneficial

**Plant lore**

*See also* Flower language; Folklore; Nature myths

Plant morphology *see* Botany, Structural

Plant names *see* Botany — Nomenclature

Plant pathology *see* Plants — Diseases

Plant physiology *see* Botany — Physiology

**Plant propagation**

*See also* Grafting; Plant breeding; Seeds

*Refer from* Folklore; Folklore of plants (s); Nature myths; Plants — Folklore (s)

*Refer from* Floriculture; Gardening; Plant breeding; Plants — Propagation (s); Propagation of plants (s)

Plantation songs *see* Negro songs

Planting *see* Agriculture; Forest planting; Gardening; Landscape gardening; Tree planting

**Plants** (for descriptive and non-systematic material)

*See also* Agriculture; Alpine plants; Annuals (plants); Aquatic plants; Botany; Climbing plants; Color of plants; Fertilization of plants; Floriculture; Flowers; Gardening; Insectivorous plants; Leaves; Natural history; Nature study; Poisonous plants; Roots; Seedlings; Seeds; Shrubs; Tropical plants; Weeds; *also* names of plants, and headings beginning Plant

—Acclimatization, *see* Acclimatization (plants)

—Anatomy, *see* Botany, Structural

—Aquatic, *see* Aquatic plants

—Breeding, *see* Plant breeding

—Chemistry and nutrition

*See also* Botany — Physiology; Cellulose; Metabolism

*Refer from* Agriculture; Botany; Flowers; Natural history; Nature; Nature study; Vegetable kingdom (s)

*Refer from* Agricultural chemistry; Botanical chemistry (s); Botany — Physiology; Chemistry; Chemistry, Botanical (s); Chemistry, Organic; Metabolism; Nutrition of plants (s); Plant chemistry (s); Plants — Nutrition (s)





**Plants—Continued**

- Classification, *see* Botany — Classification
- Climbing, *see* Climbing plants
- Collection and preservation

- Color, *see* Color of plants
- Cultivated [for botanical information and lists, not gardening]  
*See also* Floriculture; Gardening

**—Diseases**

*See also* Bacteriology, Agricultural; Cotton — Diseases and pests; Dry rot; Fruit — Diseases and pests; Fungi; Galls (botany); Mildew; Parasites; Spraying; Tobacco — Diseases and pests; Trees — Diseases and pests

**—Effect of chemicals on**

- Effect of temperature on
- Fertilization, *see* Fertilization of plants
- Folklore, *see* Plant lore
- Fossil, *see* Fossil plants
- Geographic distribution, *see* Geographical distribution of animals and plants
- Habits, *see* Botany — Physiology; Plants — Movements
- Insectivorous, *see* Insectivorous plants
- Medicinal, *see* Medical botany

**—Migration**  
*See also* Geographical distribution of animals and plants

- Morphology, *see* Botany, Structural
- Movements

*See also* Botany — Physiology; Heliotropism; Irritability

- Names, *see* Botany — Nomenclature
- Nutrition, *see* Plants — Chemistry and nutrition
- Pathology, *see* Plants — Diseases
- Photography, *see* Photography — Plants
- Physiology, *see* Botany — Physiology
- Poisonous, *see* Poisonous plants
- Propagation, *see* Plant propagation
- Useful, *see* Botany, Economic

**Plaster and plastering**

*See also* Building; Ceilings; Gesso; Mural painting and decoration; Stucco

**Plaster casts**

*See also* Modeling; Sculpture; Statues

Plastering *see* Plaster and plastering

**Plate**

*See also* Goldsmithing; Hall marks; Pewter; Silversmithing; Silverware

Plate girders *see* Girders

Plate glass *see* Glass

Plate marks *see* Hall marks

**Plate-metal work**

*See also* Metal work

*Refer from* Botanizing (s); Collectors and collecting

*Refer from* Botany, Economic; Cultivated plants (s); Domestication; House plants (s)

*Refer from* Bacteriology, Agricultural; Botany — Pathology (s); Diseases of plants (s); Fruit — Diseases and pests; Fungi; Mildew; Pathological botany (s); Pathology, Vegetable (s); Plant diseases (s); Plant pathology (s); Plants — Pathology (s); Trees — Diseases and pests; Vegetable pathology (s)

*Refer from* Agricultural chemistry; Botany — Physiology

*Refer from* Freezing (s); Frost; Temperature

*Refer from* Geographical distribution of animals and plants; Migration of plants (s)

*Refer from* Botany — Physiology; Heliotropism; Irritability; Movements of plants (s); Plants — Habits (s)

*Refer from* Building; Building materials; Ceilings; Masonry; Mural painting and decoration; Plastering (s); Stucco

*Refer from* Casting (s); Casts, Plaster (s); Modeling; Sculpture; Statues

*Refer from* Gold plate (s); Goldsmithing; Hall marks; Jewelry; Metal work; Silversmithing; Silverware

*Refer from* Metal work



**Platforms, Political**

*See also* Political parties

**Plating**

*See also* Bronzing; Electroplating; Galvanizing; Gilding; Metal coloring  
Platinotype *see* Photography — Printing processes

**Platinum**

*See also* Metals

**Platonists**

*See also* Philosophy, Greek; Neoplatonism

Plattdeutsch *see* Low German language; Low German literature

**Play**

*See also* Amusements; Athletics; Games; Kindergarten — Games and songs; Play festivals; Playgrounds; Playhouses (for children); Sports

**Play festivals**

Play writing *see* Drama

Players *see* Actors

**Playgrounds**

*See also* Parks; Vacation schools

**Playhouses (for children)**

Playing-cards *see* Cards

Playright *see* Copyright

Plays *see* Amateur theatricals; Drama

Playwrights *see* Dramatists

**Pleading and practice**

*See also* Actions at law; Appeal; Chancery; Costs; Courts; Equity; Forms (in law); Law; Trials

**Pleasure**

*See also* Contentment; Emotions; Happiness; Hedonism; Joy; Pain

Pleistocene period *see* Glacial period

Pliocene period *see* Geology, Stratigraphic—

Pliocene; Paleontology — Pliocene

**Plots (drama, novel, etc.)**

*See also* Shakespeare, William — Plots

Ploughs *see* Plows

Plowing *see* Tillage

**Plows**

*See also* Farm implements and machinery

Plumbago *see* Graphite

**Plumbing**

*See also* Gas fitting; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Solder and soldering

**Pluralism**

Plurality of worlds

*Refer from* Government; Party platforms (s); Political platforms (s); Political parties; Politics; U. S. — Politics

*Refer from* Galvanizing; Metal work; Silverplating (s); Silverplating (s)

*Refer from* Metals; Precious metals

*Refer from* Dualism; Philosophy; Philosophy, Greek

*Refer from* Amusements; Animals; Child study; Children; Exercise; Games; Kindergarten; Physical education; Psychology; Psychology, Comparative; Recreation (s)

*Refer from* Festivals; Pageants; Play

*Refer from* Amusements; Children; Children — Charities, protection, etc.; Municipal improvement; Neighborhood improvement; Parks; Play; Public playgrounds (s); School children; School hygiene; School playgrounds (s); Schools; Social centers

*Refer from* Play

*Refer from* Actions at law; Costs; Courts; Equity; Forms (in law); Law; Practice (law) (s); Procedure (s); Trials

*Refer from* Emotions; Ethics; Happiness; Hedonism; Joy; Pain; Psychology

*Refer from* Authorship; Drama; Dramatic plots (s); Fiction; Literature; Poetry; Scenarios (s)

*Refer from* Farm implements and machinery; Ploughs (s); Tillage

*Refer from* Architecture; Architecture, Domestic; Building; Gas fitting; House drainage (s); Industrial arts; Lead; Lead burning; Pipe fitting; Sanitary engineering; Sanitation, Household; Sewerage; Traps (plumbing) (s); Water supply

*Refer from* Metaphysics; Philosophy

*Refer from* Astronomy; Life in other worlds (s); Planets; Theology; Universe; Worlds, Plurality of (s)



Plutocracy *see* Wealth

Plymouth brethren

Pneumatic pumps *see* Air pumps

Pneumatic tires *see* Tires

Pneumatic transmission *see* Compressed air;  
Pneumatic tubes

**Pneumatic tubes**

*See also* Compressed air

Pneumatics *see* Air; Gases

**Pneumonia**

*See also* Lungs; Respiratory organs —  
Diseases

**Poaching**

*See also* Game laws

**Poetry**

*See also* Alliteration; Ballads; Bards;  
Children's poetry; Christmas poetry; Col-  
lege verse; Drama; Elegiac poetry; Epic  
poetry; Humor; Hymns; Literature; Love  
poetry; Lyric poetry; Macaronic verse;  
Meter; Minnesingers; Nonsense verse;  
Odes; Parodies; Pastoral poetry; Plots  
(drama, novel, etc.); Poetry of places; Poets;  
Prosody; Quotations; Religious poetry;  
Rhyme; Rhythm; Songs; Sonnets; Trouba-  
dours; Trouvères; Versification; War poet-  
ry; *also* special subjects, e.g., Animals in  
poetry, Children in poetry, Flowers in  
poetry, Nature in poetry, and subhead  
Poetry under various subjects; *also* Ameri-  
can poetry, English poetry, etc.

—**Collections**

*See also* Recitations and readings

Poetry of animals *see* Animals in poetry

Poetry of childhood *see* Children in poetry;

Children's poetry; Nursery rhymes

Poetry of flowers *see* Flowers in poetry

Poetry of love *see* Love poetry

Poetry of nature *see* Nature in poetry

**Poetry of places**

Poetry of war *see* War poetry

**Poets**

*See also* Authors; Bards; Dramatists;  
Meistersingers; Minnesingers; Minstrels;  
Poetry; Poets laureate; Troubadours;  
Trouvères

**Poets laureate**

Pointed architecture *see* Architecture, Gothic

Poison *see* Poisons; Ptomaines; Toxins

**Poisonous plants**

*See also* Medical botany

**Poisons**

*See also* Alkaloids; Antitoxins; Arsenic;  
Chemistry, Legal; Drugs; First aid in illness  
and injury; Lead poisoning; Medical juris-  
prudence; Narcotics; Poisonous plants;  
Ptomaines; Toxins; Venom

**Poker**

*See also* Cards

Poker work *see* Pyrography

Polanders *see* Poles (Polanders)

*Refer from* Darbyites (s); Sects

*Refer from* Compressed air; Conveying  
machinery; Pneumatic transmission (s); Trans-  
portation

*Refer from* Lungs; Medicine — Practice;  
Respiratory organs — Diseases

*Refer from* Game laws; Hunting; Trapping

*Refer from* Ballads; Esthetics; Literature;  
Meter; Poets; Prosody; Rhetoric; Romances;  
Versification

*Refer from* Anthologies (s); Recitations and  
readings

*Refer from* Poetry

*Refer from* Authors; Dramatists; Poetry

*Refer from* Laureates (s); Poets; Poets,  
English

*Refer from* Botany, Economic; Plants;  
Plants, Poisonous (s); Poisons

*Refer from* Accidents; Antidotes (s); Chem-  
istry; Chemistry, Legal; Drugs; First aid in  
illness and injury; Medical jurisprudence;  
Medicine; Murder; Poison (s); Therapeutics;  
Toxicology (s); Toxins; Venom

*Refer from* Cards; Draw-poker (s); Gambling



Polar light *see* Auroras

Polar regions *see* Antarctic regions; Arctic regions; North pole; South pole

**Polariscope**

*See also* Polarization (light)

**Polarization (light)**

*See also* Magneto-optics; Polariscope; Stereochemistry

**Poles**

*See also* Wood — Preservation

**Poles (Polanders)**

*See also* Poland; Slavs

**Poles in the U. S.**

*See also* Slavs in the U. S.

**Police**

*See also* Constables; Crime and criminals; Detectives; Prisons; *also* names of countries and cities, subhead Police

Police courts *see* Courts, Municipal

**Police power**

*See also* Civil rights; Constitutional law; Eminent domain; Government regulation of industry; Restraint of trade

**Polish language**

*See also* Slavic languages

**Polish literature**

*See also* Slavic literature

Polishing *see* Grinding and polishing

Politeness *see* Courtesy; Etiquet

Political bosses *see* Boss rule

**Political conventions**

*See also* Nominations; Political parties

**Political corruption**

*See also* Boss rule; Bribery; Campaign funds; Civil service reform; Graft; Lobbying; Political ethics

Political economy *see* Economics

**Political ethics**

*See also* Bribery; Citizenship; Compromise; Graft; Patriotism; Political corruption

**Political offenses**

*See also* Extradition; Treason

**Political parties**

*See also* Campaign funds; Campaign literature; Independents (in politics); Platforms, Political; Political conventions; Politics; *also* names of parties, e.g. Democratic party; Free soil party; Know-nothing party; Republican party; Tories, English; Whig party; and names of countries, subhead Politics

Political platforms *see* Platforms, Political

Political science *see* Government

Political songs *see* Campaign songs

*Refer from* Optical instruments; Polarization (light)

*Refer from* Light; Magneto-optics; Polariscope

*Refer from* Telegraph; Telegraph poles (s); Telephone; Telephone poles (s); Wood

*Refer from* Poland; Polanders (s); Slavs

*Refer from* Slavs in the U. S.; U. S.— Foreign population

*Refer from* Constables; Crime and criminals; Detectives; Government; Law; Municipal government; Prisons; Town officers

*Refer from* Constitutional law; Eminent domain; Government; Government regulation of industry; Law; Restraint of trade

*Refer from* Slavic languages

*Refer from* Slavic literature

*Refer from* Conventions, Political (s); Elections — U. S.; Government; Nominations; Political parties; U. S.— Conventions and public meetings

*Refer from* Boss rule; Bribery; Civil service reform; Corrupt practices at elections (s); Corruption in politics (s); Elections; Government; Graft; Lobbying; Municipal corruption (s); Political ethics; Politics

*Refer from* Citizenship; Ethics; Ethics, Political (s); Government; Political corruption; Politics; Social ethics; State ethics

*Refer from* Crime and criminals; Extradition; Government; Impeachment; International law

*Refer from* Government; Parties, Political (s); Party government (s); Platforms, Political; Political conventions; Politics; U. S. — Politics





## Politics

*See also* Ballot; Boss rule; Campaign funds; Campaign literature; Civil service; Elections; Government; Independents (in politics); International relations; Liberalism; Lobbying; Nominations; Platforms, Political; Political corruption; Political ethics; Political parties; Primaries; Sectionalism; Suffrage; *also* names of countries and states, subhead Politics, and names of cities, subhead Government and politics

## Poll tax

Pollination *see* Fertilization of plants

Pollution of streams *see* Water pollution

## Polo

## Polyandry

*See also* Polygamy

## Polygamy

*See also* Harem; Marriage; Mohammedanism; Mormons and Mormonism; Polyandry

## Polynesian languages

*See also* Oceanic languages

Polyphase currents *see* Electric currents, Alternating

Polyps *see* Coelenterata

Polytechnic schools *see* Technical education

## Polytheism

*See also* Religions

## Polyzoa

*See also* Invertebrates

Pomology *see* Fruit; Fruit culture

Pond life *see* Fresh-water life

## Ponds

*See also* Fresh-water life; Lakes

## Pontiac's conspiracy, 1763-1765

*See also* Indians — Wars; U. S. — History — Colonial period

## Poor

*See also* Almshouses; Asylums; Begging; Charities; Children — Charities, protection, etc.; Cost of living; Farm colonies; Friendly visiting; Homes for the aged; Housing problem; Labor and laboring classes; Old age pensions; Pensions; Philanthropy; Poor laws; Slums; Social settlements; Standard of living; Sweating system; Tenement houses; Thrift; Tramps; Unemployed; *also* names of cities, subhead Poor

## Poor laws

Poorhouses *see* Almshouses

## Popes

*See also* Apostolic succession; Bulls, Papal; Catholic church; Vatican; Vatican council

## — Authority and supremacy

*See also* Catholic church — Authority

## — Biography

*See also* Popes — History

## — Election

*Refer from* Government; Political parties

*Refer from* Taxation

*Refer from* Games; Horsemanship

*Refer from* Marriage; Polygamy

*Refer from* Marriage; Polyandry

*Refer from* Oceanic languages

*Refer from* God; Religions

*Refer from* Bryozoa (s); Invertebrates; Marine zoology

*Refer from* Lakes; Physical geography; Water

*Refer from* French and Indian war; Indians — Wars; U. S. — History — Colonial period

*Refer from* Aged poor (s); Almsgiving (s); Almshouses; Asylums; Begging; Benevolence (s); Charities; Dangerous classes (s); Dependent classes (s); Economics; Labor and laboring classes; Pauperism (s); People; Poverty (s); Slums; Social problems; Social settlements; Sociology; Tenement houses; Unemployed; Vagrancy (s)

*Refer from* Charities; Law; Poor; Vagrancy (s)

*Refer from* Apostolic succession; Bulls, Papal; Catholic church; Catholic church — Popes (s); Church polity; Holy See (s); Kings and rulers; Papacy (s); Rulers (s); Ultramontaniam; Vatican

*Refer from* Authority (in religion); Catholic church — Authority; Supremacy of the pope (s)

*Refer from* Biography; Christian biography; Popes — History



**Popes** — Continued

— **History**

*See also* Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378-1417

— **Infallibility**

*See also* Vatican council

— **Temporal power**

*See also* Church history — Middle ages

**Popish plot, 1678**

*See also* England — History — Stuarts

Popular election of senators *see* Senators — U. S. — Election

Popular errors *see* Errors, Popular

Popular government *see* Democracy

**Popularity**

**Population**

*See also* Birth rate; Census; Malthusianism; Statistics; Vital statistics; *also* names of countries, states and cities, subhead

Population

Porcelain *see* Pottery

Porifera *see* Sponges

**Porisms**

**Portable buildings**

**Portages**

*See also* Indian trails

Portents *see* Omens

Portland cement *see* Cement

Portrait painters *see* Painters

**Portrait painting**

*See also* Miniature painting

**Portraits**

*See also* Crayon drawing; Photographs; Pictures

Ports *see* Harbors

**Portuguese language**

*See also* Romance languages

**Portuguese literature**

*See also* Romance literature

**Positivism**

*See also* Philosophy, French

Posology *see* Prescriptions

**Possession (in law)**

*See also* Limitations (law)

Post-mortem examinations *see* Autopsy

Post-office *see* Postal service

**Postage stamps**

**Postal savings banks**

**Postal service**

*See also* Franking privilege; Library post; Parcels post; Postage stamps; Postal savings banks; Postal telegraph; Railway mail service; Rural free delivery

— **U. S.**

*See also* Rural free delivery

*Refer from* Catholic church — History; Church history; Popes — Biography; Schism, The great western, 1378-1317

*Refer from* Catholic church — Infallibility (s); Infallibility; Vatican council

*Refer from* Catholic church — History; Church and state; Church history — Middle ages; Temporal power of the pope (s)

*Refer from* Conspiracies; England — History — Stuarts

*Refer from* Conduct of life; Ethics; Success

*Refer from* Economics; Malthusianism; Sociology; Statistics; Vital statistics

*Refer from* Geometry

*Refer from* Architecture; Buildings, Portable (s)

*Refer from* Indian trails; Roads

*Refer from* Painting

*Refer from* Art; Biography: Iconography (s); Paintings; Pictures

*Refer from* Romance languages

*Refer from* Romance literature

*Refer from* Agnosticism; Deism; Naturalism; Philosophy; Philosophy, French; Religion; Religion of humanity (s)

*Refer from* Adverse possession (s); Law; Limitations (law); Property; Real estate

*Refer from* Collectors and collecting; Philately (s); Postal service; Stamps (s)

*Refer from* Banks and banking; Government banking (s); Postal service; Savings banks

*Refer from* Carriers; Communication; Mail (s); Post-office (s); Railway mail service; Transportation

*Refer from* Rural free delivery; U. S. — Postal service (s)



**Postal telegraph**

*See also* Government ownership

**Posters**

*See also* Billposting

Post-Nicene fathers *see* Fathers of the church

**Potatoes**

*See also* Vegetables

**Potential, Theory of**

Potomac, Army of the, *see* Army of the Potomac

**Pottery**

*See also* Annealing; Arts and crafts; Bric-a-brac; China painting; Clay industries; Concrete pottery; Glazing; Indians — Pottery; Majolica; Terra cotta; Tiles; Urns; Vases

Pouched animals *see* Marsupialia

**Poultry**

*See also* Ducks; Eggs; Geese; Incubators; Pigeons; Poultry houses; Turkeys

**Poultry houses**

*See also* Farm buildings; Poultry

Poverty *see* Poor

Powder *see* Gunpowder

**Power**

*See also* Compressed air; Dynamometer; Electric power; Engines; Force and energy; Machinery; Mechanics; Motors; Power plants; Power transmission; Steam; Water power

Power boats *see* Motor boats

Power houses *see* Power plants

Power of attorney *see* Agency

**Power plants**

*See also* Hydro-electric plants; Power transmission

—**Electric**

*See also* Electric power; Electric power transmission; Hydro-electric plants

—**Steam**

*See also* Boilers; Steam engines

Power stations *see* Power plants

**Power transmission**

*See also* Belting; Cables; Compressed air; Electric power transmission; Gearing; Machinery; Mechanical engineering; Motors; Power plants; Pulleys; Rope driving; Shafting

**Powers (law)**

*See also* Administrators and executors; Agency; Trustees

*Refer from* Government ownership; Postal service; Telegraph; Telegraph, Postal (s)

*Refer from* Advertising; Art; Billposting; Drawing; Picture posters (s)

*Refer from* Vegetables

*Refer from* Electric potential (s); Electrostatics; Force and energy; Gravitation; Theory of potential (s)

*Refer from* Archaeology; Arts and crafts; Bric-a-brac; Ceramics (s); China (porcelain) (s); China painting; Chinaware (s); Clay industries; Crockery (s); Decoration and ornament; Earthenware (s); Faience (s); Fayence (s); Industrial arts; Industries, Primitive; Keramics (s); Majolica; Manufactures; Porcelain (s); Stoneware (s); Terra cotta; Tiles; Vases

*Refer from* Birds; Chickens (s); Domestic animals; Ducks; Eggs; Food; Fowl (s); Fowls (s); Geese; Hen (s); Hens (s); Incubators; Live stock; Poultry houses; Turkeys

*Refer from* Farm buildings; Hen houses (s); Poultry

*Refer from* Mechanics

*Refer from* Central power stations (s); Mechanical engineering; Power; Power houses (s); Power stations (s); Power transmission

*Refer from* Electric engineering; Electric plants (s); Electric power; Electric power plants (s); Electric power transmission; Electric stations (s); Electricity — Distribution

*Refer from* Steam engines; Steam plants (s); Steam power plants (s)

*Refer from* Belting; Electric power transmission; Gearing; Machinery; Mechanical engineering; Mechanics, Applied; Power; Power plants; Pulleys; Rope driving; Shafting; Transmission of power (s)

*Refer from* Agency; Law



Practical ethics *see* Conduct of life  
Practical theology *see* Christian life and character  
Practice (law) *see* Pleading and practice  
**Pragmatism**

**Prairies**

*See also* Western states

**Prayer**

*See also* Devotional exercises; Family worship; Lord's prayer; Prayer meetings; Prayers; Responsive worship; Ritualism; Worship

**Prayer books**

*See also* Breviaries; Liturgies; Prayers

**Prayer meetings**

**Prayers**

*See also* Devotional exercises; Family worship; Litanies; Liturgies; Lord's prayer; Prayer books; Rosary

**Preachers**

*See also* Clergy; Preaching

**Preaching**

*See also* Anecdotes, Religious; Elocution; Oratory; Preachers; Sermons

Preaching friars *see* Dominicans

Preadamites *see* Man — Origin and antiquity

Pre-Cambrian period *see* Geology, Stratigraphic — Archaean; Paleontology — Archaean

**Precedence**

*See also* Class distinction

Precession of the equinoxes *see* Equinoxes

**Précieuses**

*See also* Salons

**Precious metals**

*See also* Gold; Money; Platinum; Radium; Silver

Precious minerals *see* Mineralogy; Mines and mineral resources; Rare earths

**Precious stones**

*See also* Birth stones; Diamonds; Gems; Jewelry; Pearls

**Précis writing**

**Precocity**

**Predestination**

*See also* Arminianism; Calvinism; Freedom of the will; Salvation

Predictions *see* Forecasts; Prophecies

**Preexistence**

*See also* Soul; Transmigration

Prehistoric archaeology *see* Archaeology

Prehistoric man *see* Man — Origin and antiquity

*Refer from* Empiricism; Ethics; Experience; Philosophy; Philosophy, Modern

*Refer from* Physical geography; Plains; Western states

*Refer from* Christian life and character; Devotion (s); Family worship; Religion; Theology; Worship

*Refer from* Collects (s); Liturgies; Prayers

*Refer from* Church services; Prayer; Revivals

*Refer from* Collects (s); Devotional exercises; Family worship; Liturgies; Prayer; Prayer books; Rites and ceremonies; Worship

*Refer from* Christian biography; Clergy; Ministers of the gospel (s); Pastors (s); Preaching

*Refer from* Church polity; Clergy; Elocution; Homiletics (s); Oratory; Pastoral work; Preachers; Pulpit oratory (s); Rhetoric; Sermons; Speaking (s)

*Refer from* Class distinction; Courts and courtiers; Diplomacy; Etiquet; Genealogy; Heraldry

*Refer from* French language; French literature; Salons; Women in France

*Refer from* Bimetallism; Bullion (s); Economics; Gold; Metals; Mines and mineral resources; Silver

*Refer from* Diamonds; Gems; Jewelry; Mineralogy; Stone; Stones (s)

*Refer from* Abstract writing (s); Rhetoric

*Refer from* Children; Genius; Psychology

*Refer from* Baptism—Infants; Calvinism; Election (in theology) (s); Fate and fatalism; Foreordination (s); Freedom of the will; Infant salvation; Necessity; Salvation; Sin; Theology

*Refer from* Reincarnation (s); Soul; Transmigration





Premature burial *see* Burial, Premature

Premonitions *see* Presentiments

Prenatal influences

*See also* Eugenics

Preparatory schools *see* Academies (schools); Education, Secondary

Prepared cereals *see* Cereals, Prepared

Preraphaelitism

Presages *see* Omens

Presbyterian church

*See also* Church of Scotland; Presbyterianism

Presbyterianism

*See also* Calvinism; Church of Scotland; Covenanters; Presbyterian church

Prescriptions

*See also* Pharmacy

Presentiments

Presents *see* Gifts

Preservation of food *see* Cold storage; Food preservation and preservatives

Preservation of landmarks, scenery, etc.

*See also* Historic houses; Niagara Falls — Preservation; Trees, Historic

Preservation of wood *see* Wood — Preservation

Preservatives (food) *see* Food preservation and preservatives

Preserving *see* Canning and preserving

Presidential campaigns *see* Elections — U. S.;

Presidents — U. S. — Election

Presidential elections *see* Elections — U. S.;

Presidents — U. S. — Election

Presidential government *see* Democracy; Republics

Presidents

*See also* Executive power; Veto

—U. S.

*See also* Inaugurations

—U. S. — Election

*See also* Elections — U. S.

Press *see* Journalism; Liberty of the press; Newspapers; Periodicals

Press clippings *see* Clippings

Presses, Printing, *see* Printing presses

Prestidigitation *see* Conjuring

Presumptive evidence *see* Evidence

Prevarication *see* Equivocation

Prevention of cruelty to animals *see* Animals — Treatment

Price of food *see* Cost of living

Prices

*See also* Book prices; Cost of living; Economics; Food supply; Marketing of farm produce; Panics; Railroads — Rates; Salaries; Standard of living; Supply and demand; Value; Wages

Pride and vanity

*Refer from* Children; Eugenics; Heredity

*Refer from* Art; Painting; Painting, English

*Refer from* Church of Scotland; Presbyterianism

*Refer from* Calvinism; Church of Scotland; Church polity; Congregationalism; Covenanters; Dissenters; Presbyterian church; Puritans; Sects

*Refer from* Pharmacy; Posology (s)

*Refer from* Premonitions (s); Psychical research; Psychology; Thought transference

*Refer from* Historic houses; Landmarks, Preservation of (s); Landscape; Municipal improvement; Patriotism; Trees, Historic

*Refer from* Biography; Executive power; Kings and rulers; Rulers (s)

*Refer from* U. S. — Biography; U. S. — Presidents (s)

*Refer from* Campaigns, Presidential (s); Elections — U. S.; Presidential campaigns (s); Presidential elections (s)

*Refer from* Commerce; Consumption (economics); Cost; Cost of living; Economics; Finance; Manufactures; Money; Supply and demand; Value; Wages

*Refer from* Ethics; Vanity (s)



Priesthood *see* Priests

**Priests**

*See also* Catholic church — Clergy; Celibacy; Clergy; Ordination

Priests' holes *see* Secret chambers

Prima donnas *see* Singers

**Primaries**

*See also* Caucus; Elections; Nominations

Primary batteries *see* Electric batteries

Primary education *see* Education, Elementary

Primary elections *see* Primaries

Primary schools *see* Education, Elementary

**Primates**

*See also* Apes; Gorillas; Mammals; Man; Monkeys

**Prime ministers**

**Primers**

*See also* Hornbooks; Readers

Primitive art *see* Art, Primitive

Primitive Christianity *see* Church history — Early church

Primitive culture *see* Civilization — History

Primitive industries *see* Industries, Primitive

Primitive man *see* Man — Origin and antiquity; Savages

Primitive society *see* Society, Primitive

**Primogeniture**

*See also* Entail; Inheritance

**Princes and princesses**

*See also* Courts and courtiers; Monarchy

Princesses *see* Princes and princesses

Principal and agent *see* Agency

Principals, School, *see* School superintendents and principals

**Printers**

*See also* Typographical societies

**Printers' marks**

**Printing**

*See also* Block books; Books; Calico printing; Capitalization; Colophons; Color printing; Electrotyping; Embossing; Incunabula; Ink; Paper; Photography; Printers; Printers' marks; Printing presses; Proof reading; Publishers and publishing; Stereotyping; Title-pages; Type; Typesetting; Typesetting machines; Typographical societies; Zincography

**Printing presses**

Prints *see* Engravings

Prison *see* Prisons

Prison escapes *see* Escapes

Prison labor *see* Convict labor

Prisoners, Discharged, *see* Discharged prisoners

*Refer from* Catholic church — Biography; Catholic church — Clergy; Church of England — Clergy; Church polity; Clergy; Ministers of the gospel (s); Pastors (s); Priesthood (s); Protestant Episcopal church in the U. S. — Clergy

*Refer from* Caucus; Direct nominations (s); Direct primaries (s); Elections; Elections — U. S.; Government; Nominations; Politics; Primary elections (s); U. S. — Politics

*Refer from* Apes; Mammals; Monkeys

*Refer from* Ministers of state; Statesmen

*Refer from* Readers; Spellers; Textbooks

*Refer from* Descent (s); Entail; Inheritance; Law

*Refer from* Biography; Courts and courtiers; Kings and rulers; Monarchy; Princesses (s); Royalty (s)

*Refer from* Biography; Printing

*Refer from* Incunabula; Marks, Printers' (s); Printing; Trade-marks

*Refer from* Alphabet; Block books; Books; Communication; Industrial arts; Literature; Publishers and publishing; Stereotyping; Type; Typesetting; Typography (s)

*Refer from* Machinery; Presses, Printing (s); Printing



**Prisoners of war**

*See also* Concentration camps; *also* subhead Prison life under various wars

**Prisons**

*See also* Convict labor; Crime and criminals; Discharged prisoners; Indeterminate sentence; Parole; Penal colonies; Police; Prisoners of war; Probation system; Punishment; Reformatories; Workhouses; *also* names of cities, subhead Prisons and reformatories

**—U. S.**

*See also* Crime and criminals — U. S.

**Private judgment**

*See also* Liberty of conscience; Religious liberty

Private libraries *see* Libraries, Private

**Private schools**

*See also* Academies (schools); Taxation, Exemption from

Private theatricals *see* Amateur theatricals

**Privateering**

*See also* Alabama claims; Maritime law; Prizes (international law); Search, Right of

**Privileged classes**

*See also* Leisure class; Monopolies

Prize fighting *see* Boxing

Prizes *see* Prizes (international law); Rewards (prizes, etc.)

**Prizes (international law)**

*See also* Contraband of war; Maritime law; Neutrality; Privateering; Salvage

**Probabilities**

*See also* Annuities; Chance; Errors, Theory of; Insurance; Least squares; Logic

**Probate law and practice**

*See also* Administrators and executors; Guardians; Inheritance; Jurisdiction; Trustees; Wills

Probation (theology) *see* Future life; Purgatory

**Probation system**

*See also* Juvenile courts; Parole

Procedure *see* Actions at law; Pleading and practice

Process work *see* Photomechanical processes

**Processions**

*See also* Pageants

**Procrastination**

Producer gas *see* Gas; Gas producers

Production *see* Economics; Industry

Products, Agricultural, *see* Agricultural products

*Refer from* Military art and science; Prisons; War

*Refer from* Convict labor; Convicts (s); Crime and criminals; Criminal law; Dungeons (s); Gaols (s); Government; Imprisonment (s); Indeterminate sentence; Jails (s); Penal institutions (s); Penitentiaries (s); Police; Prison (s); Public institutions (s); Punishment; Reform; Reformatories; Sociology; Workhouses

*Refer from* Crime and criminals — U. S.; U. S.— Prisons (s)

*Refer from* Liberty of conscience; Theology

*Refer from* Academies (schools); Boarding schools (s); Education; Education, Elementary; Education, Secondary; Schools

*Refer from* International law; Letters of marque (s); Maritime law; Naval art and science; Naval history; Pirates; Prizes (international law)

*Refer from* Economics; Government; Monopolies

*Refer from* International law; Maritime law; Privateering; Prizes (s); Rewards (prizes, etc.); War

*Refer from* Algebra; Betting; Certainty; Chance; Errors, Theory of; Fortune (s); Gambling; Least squares; Logic; Lotteries; Mathematics; Statistics

*Refer from* Administrators and executors; Courts; Guardians; Inheritance; Law; Surrogate law (s); Trustees; Wills

*Refer from* Crime and criminals; Criminal law; Indeterminate sentence; Juvenile courts; Parole; Prisons; Punishment; Reformatories; Suspended sentence (s)

*Refer from* Festivals; Pageants

*Refer from* Conduct of life



Products, Commercial, *see* Commercial products

Profanation *see* Sacrilege

Profanity *see* Swearing

**Profession, Choice of**

*See also* Business; Occupations; Women — Occupations

**Professional education**

*See also* Law — Study and teaching; Library schools and training; Medicine — Study and teaching; Technical education; Theology — Study and teaching; Vocational education

Professional ethics *see* Legal ethics; Medical ethics

**Professions**

*See also* Clergy; Dentistry; Journalism; Law; Library science; Medicine; Occupations; Profession, Choice of; Professional education; Teaching

**Profit**

*See also* Capital; Economics; Interest; Wages

**Profit sharing**

*See also* Communism; Cooperation; Industrial betterment; Labor and capital; Labor and laboring classes

**Program music**

**Progress**

*See also* Civilization; Economic determinism; Nineteenth century; Reform; Twentieth century

Progressive taxation *see* Taxation, Progressive

**Prohibited books**

*See also* Liberty of the press

**Prohibition**

*See also* Liquor laws; Liquor problem; Local option; Temperance

**Projectiles**

*See also* Ammunition; Ballistics; Firearms; Gunnery; Ordnance

**Projection**

*See also* Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Perspective

**Prologues**

*See also* Drama

**Promoting**

*See also* Corporations; Securities

Promotion (in schools) *see* School grading and promotions

**Pronunciation**

*See also* Phonetics; Pronunciation, English; *also* names of languages other than English, e.g. German language — Pronunciation

— **English**

Prony brake *see* Dynamometer

Proof *see* Evidence; Logic

**Proof reading**

Propagation of plants *see* Plant propagation

*Refer from* Business; Choice of profession (s); Occupations; Professions; Success

*Refer from* Education; Education, Higher (s); Education, Professional (s); Higher education (s); Professions; Technical education; Vocational education

*Refer from* Occupations; Vocations (s)

*Refer from* Business; Capital; Economics

*Refer from* Commerce; Cooperation; Economics; Industrial betterment; Labor and capital; Labor and laboring classes; Wages  
*Refer from* Instrumental music; Music

*Refer from* Civilization; Ethics; History; Sociology

*Refer from* Books; Books and reading; Censorship of the press (s); Condemned books (s); Liberty of the press

*Refer from* Liquor laws; Liquor problem; Liquor traffic; Local option; Temperance

*Refer from* Ammunition; Artillery; Ballistics; Bullets (s); Firearms; Gunnery; Military art and science; Ordnance; Shells (explosives) (s)

*Refer from* Drawing; Geometrical drawing; Geometry, Descriptive; Mechanical drawing; Orthographic projection (s); Perspective

*Refer from* Drama

*Refer from* Advertising; Business; Capitalization (finance) (s); Corporations

*Refer from* Elocution; Language; Orthography (s); Phonetics; Words

*Refer from* English language; English language — Pronunciation (s); Pronunciation

*Refer from* Printing





**Propellers**

*See also* Aerial propellers; Steamboats

Proper names *see* Names, Geographical;  
Names, Personal

**Property**

*See also* Administrators and executors; Appraising; Attachment; Capital; Church property; Communism; Confiscation; Conveyancing; Copyright; Damages; Eminent domain; Entail; Estates, Unclaimed; Income; Inheritance; Insurance; Land; Land titles; Liens; Mortgages; Personal property; Possession (law); Real estate; Rent; Sale; Salic law; Socialism; Taxation; Trespass; Wealth; Wills

—Intellectual, *see* Copyright; Inventions; Patents

**Prophecies**

*See also* Apocalyptic literature; Bible — Prophecies; Divination; Forecasts; Fortune telling; Jesus Christ; Oracles; Prophets; Second advent

**Prophets**

*See also* Bible — Prophecies; Prophecies

**Proportion (art)**

*See also* Anatomy, Artistic; Composition (art); Perspective; Symmetry

**Proportional representation**

*See also* Representative government and representation

Proportional taxation *see* Taxation, Progressive  
Proprietary medicines *see* Medicines, Proprietary

**Prose**

*See also* Literature; Rhetoric; and the references under these subjects

**Prosody**

*See also* Accent; Meter; Poetry; Prosody, English; Rhyme; Rhythm; Versification; also names of languages other than English, e.g. German language — Prosody

—English

**Prospecting**

*See also* Assaying; Mines and mineral resources

**Prosperity**

*See also* Business depression; Panics

**Prostitution**

*See also* Illegitimacy; Sexual ethics; Vice

Protection *see* Tariff question

Protection from fire *see* Fire protection

Protection from frost *see* Frost protection

Protection of birds *see* Birds — Protection

*Refer from* Marine engineering; Screw propellers (s); Shipbuilding; Ships; Steamboats

*Refer from* Chattels (s); Commercial law; Economics; Government; Law; Ownership (s); Personal property; Real estate; Sociology; Wealth

*Refer from* Divination; Forecasts; Future (s); Predictions (s); Prophets; Theology

*Refer from* Bible; Bible — Prophecies; Bible — Old Testament — Biography; Biography; Jews; Prophecies

*Refer from* Anatomy, Artistic; Architecture; Art; Composition (art); Drawing; Esthetics; Figure drawing; Painting; Perspective; Sculpture; Symmetry

*Refer from* Constitutional law; Elections; Government; Minority representation (s); Representation (s); Representative government and representation

*Refer from* Literature; Rhetoric

*Refer from* Accent; Grammar; Language; Meter; Poetry; Rhyme; Versification

*Refer from* English language; English language — Prosody (s); English poetry; Prosody

*Refer from* Gold mines and mining; Mines and mineral resources

*Refer from* Business; Commerce; Economics; Wealth

*Refer from* Crime and criminals; Law; Sexual ethics; Social evil (s); Social problems; Vice; White slave trade (s); Women; Women — Crime



Protection of game *see* Game protection  
Protective mimicry *see* Mimicry (biology)  
Proteids *see* Proteins

**Proteins**

*See also* Chemistry, Organic; Physiological chemistry

Protestant churches *see* Protestantism

**Protestant Episcopal church in the U. S.**  
[subdivided like Church of England]

*See also* Anglican communion; Apostolic succession; Christian year; Church of England; Confirmation; Episcopacy; Fast and feasts; Ritualism; Sacraments; Sisterhoods

— **Conventions**

Protestant reformation *see* Reformation

**Protestantism**

*See also* Catholic church; Reformation; Sects

**Protoplasm**

*See also* Biology; Cells; Embryology

**Protozoa**

*See also* Infusoria; Invertebrates

**Provençal language**

*See also* Romance languages

**Provençal literature**

*See also* French literature; Troubadours

**Proverbs**

*See also* Bible — Old Testament — Proverbs; Epigrams; Folklore; Maxims; Quotations; Weather lore

**Providence**

Provident loan associations *see* Building and loan associations

**Prudence**

*See also* Thrift

**Pruning**

*See also* Fruit culture

Psalmody *see* Bible — Old Testament — Psalms; Church music; Hymns

Psalter *see* Bible — Old Testament — Psalms

**Pseudonyms**

*See also* Anonyms; Nicknames

Psychiatry *see* Mental diseases

**Psychical research**

*See also* Animal magnetism; Apparitions; Clairvoyance; Ghosts; Hypnotism; Hysteria; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Presentiments; Psychometry (character reading, etc.); Spiritualism; Subconsciousness; Suggestion; Thought transference

**Psychology**

*See also* Ability; Animal intelligence; Apparitions; Apperception; Association of ideas; Attention; Automatism; Belief; Brain; Character; Child study; Color sense; Common sense; Consciousness; Crowds;

*Refer from* Chemistry, Organic; Food; Physiological chemistry; Proteids (s)

*Refer from* Anglican communion; Church of England; Episcopacy; Episcopal church (s); Sects

*Refer from* Catholic church; Christianity; Church history; Protestant churches (s); Reformation; Theology

*Refer from* Biology; Bioplasm (s); Cells; Embryology; Physiology

*Refer from* Animalcules; Cells; Infusoria; Invertebrates; Marine zoology

*Refer from* French language; Langue d'oc (s); Romance languages

*Refer from* French literature; Troubadours

*Refer from* Adages (s); Aphorisms (s); Apothegms (s); Epigrams; Folklore; Literature; Maxims; Quotations; Sayings (s)

*Refer from* God; Theology

*Refer from* Conduct of life; Thrift

*Refer from* Forests and forestry; Fruit culture; Gardening; Trees

*Refer from* Anonyms; Authors; Bibliography; Fictitious names (s); Names, Personal; Nicknames; Noms de plume (s); Sobriquets (s); Soubriquets (s)

*Refer from* Apparitions; Clairvoyance; Ghosts; Hypnotism; Illusions and hallucinations; Mind reading; Occult sciences; Personality; Psychology; Research; Spiritualism; Supernatural; Thought transference

*Refer from* Apperception; Association of ideas; Attention; Brain; Consciousness; Dreams; Education; Emotions; Habit; Human faculties (s); Imagination; Intellect; Intuition; Judgment; Knowledge; Man; Memory;



## **Psychology**—Continued

Dreams; Eccentricity; Ecstasy; Education; Emotions; Esthetics; Ethics; Ethnopsychology; Experience; Freedom of the will; Genius; Graphology; Habit; Heredity; Hypnotism; Hysteria; Illusions and hallucinations; Imagination; Imitation; Individuality; Insanity; Instinct; Intellect; Intuition; Judgment; Knowledge; Logic; Melancholy; Memory; Mental diseases; Mental healing; Mental hygiene; Metaphysics; Mind and body; Mind reading; Muscular sense; New thought; Observation; Perception; Personality; Philosophy; Phrenology; Physiognomy; Play; Pleasure; Precocity; Presentiments; Psychical research; Reaction time; Reason; Senses and sensation; Sleep; Social psychology; Somnambulism; Soul; Subconsciousness; Suggestion; Temperament; Thought and thinking; Thought transference; Will; Worry

—Biblical, *see* Bible — Psychology

### —Comparative

*See also* Animal intelligence; Color sense; Ethnopsychology; Instinct; Play; Social psychology

### —Educational

*See also* Apperception; Attention; Child study; Imagination; Imitation; Interest (psychology); Memory; Mental discipline; Observation; Perception; Thought and thinking

—Ethnic, *see* Ethnopsychology

—Experimental, *see* Psychology, Physiological

—Pathological, *see* Mental diseases

### —Physiological

*See also* Brain; Fatigue; Mental; Inhibition; Left- and right-handedness; Mental diseases; Mind and body; Muscular sense; Nervous system; Pain; Phrenology; Psychometry; Reaction time; Senses and sensation; Space perception

—Racial, *see* Ethnopsychology

—Social, *see* Social psychology

## **Psychometry**

*See also* Reaction time

## **Psychometry (character reading, etc.)**

Psychopathic hospitals *see* Insane hospitals

Psychosis *see* Mental diseases

Psychotherapy *see* Mental healing; Suggestive therapeutics

Psychrometer *see* Hygrometry

## **Ptomaines**

*See also* Putrefaction; Toxins

## **Puberty**

*See also* Youth

Public baths *see* Baths, Public

## **Public buildings**

*See also* Library architecture; Municipal centers; Public works; Schoolhouses; *also* names of countries and cities, subhead Public buildings

Mental philosophy (s); Mental science (s); Metaphysics; Mind (s); Mind and body; Perception; Personality; Philosophy; Reason; Science; Senses and sensation; Soul; Thought and thinking; Understanding (s); Will

*Refer from* Animal intelligence; Animal psychology (s); Comparative psychology (s); Instinct; Intellect; Intelligence of animals (s); Zoology

*Refer from* Apperception; Attention; Child study; Education; Educational psychology (s); Mental discipline; Teaching

*Refer from* Experimental psychology (s); Mental physiology (s); Mind and body; Muscular sense; Nervous system; Physiological psychology (s); Physiology; Psychology, Experimental (s); Reaction time; Senses and sensation

*Refer from* Anthropometry; Brain; Psychology, Physiological; Reaction time

*Refer from* Character reading (s); Clairvoyance; Psychical research

*Refer from* Alkaloids; Pathology; Poison (s); Poisons; Putrefaction; Toxins

*Refer from* Physiology; Sex; Youth

*Refer from* Architecture; Buildings, Public (s); Government buildings (s); Municipal art; Municipal buildings (s); Municipal centers; Public works

\_\_\_\_\_

**Public comfort stations**

Public debts *see* Debts, Public

Public documents *see* Government publications

Public health *see* Hygiene, Public

Public health boards *see* Health boards

Public institutions *see* Charities; Prisons; Public schools

**Public lands**

*See also* National parks and reserves; also names of countries and cities, subhead Public lands

Public libraries *see* Libraries, Public

**Public meetings**

*See also* Assembly, Right of; also names of countries and cities, subhead Conventions and public meetings

**Public opinion**

Public ownership *see* Government ownership; Municipal ownership

Public playgrounds *see* Playgrounds

Public records *see* Archives

**Public schools**

*See also* Bible in the schools; Country schools; Education; Education and state; Evening and continuation schools; Grammar schools; High schools; Libraries and schools; Open-air schools; Public schools and religion; School children; Schools; Schools—Centralization; Teachers; Teaching; Truancy; Truant schools; Vacation schools; Vocational education; also headings beginning School

**—U. S.**

*See also* Education — U. S.

**Public schools and religion**

*See also* Bible in the schools

**Public service commissions**

*See also* Government regulation of industry; Railroad commissions

**Public service corporations**

*See also* Carriers; Eminent domain; Express companies; Gas companies; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public service commissions; Railroads; Street railroads; Telegraph; Telephone

Public speaking *see* Oratory

Public spirit *see* Citizenship; Patriotism

Public utilities *see* Public service corporations

**Public works**

*See also* Municipal engineering; Public buildings; also names of countries and cities, subhead Public works

Public worship *see* Church attendance; Church services

**Publicity**

*See also* Advertising; Campaign funds

*Refer from* Hygiene, Public; Municipal improvement; Sanitary engineering

*Refer from* Crown lands (s); Land

*Refer from* Assembly, Right of; Meetings, Public (s)

*Refer from* Liberty of conscience; Liberty of the press; Opinion (s); People; Social psychology

*Refer from* Common schools (s); Education; Education and state; Free schools (s); Public institutions (s); Schools

*Refer from* Education — U. S.; U. S.—Public schools (s); U. S.—Schools (s)

*Refer from* Bible in the schools; Church and education; Education; Public schools; Religion in the public schools (s); Religious education

*Refer from* Government regulation of industry; Public service corporations

*Refer from* Corporations; Eminent domain; Government ownership; Government regulation of industry; Municipal franchises; Municipal ownership; Public utilities (s)

*Refer from* Civil engineering; Municipal engineering; Public buildings

*Refer from* Advertising; Corporations; Journalism; Newspapers





**Publishers and publishing**

*See also* Book reviews; Books; Booksellers and bookselling; Catalogs, Publishers'; Copyright; Printing  
Publishers' catalogs *see* Catalogs, Publishers'  
Publishing *see* Publishers and publishing

**Pueblo Indians**

*See also* Pueblos  
**Pueblos** [the buildings and villages]  
*See also* Cliff dwellers and cliff dwellings;  
Pueblo Indians

**Pugilism** *see* Boxing

**Pulleys**

*See also* Belting; Power transmission;  
Rope driving; Shafting

**Pulp wood** *see* Wood pulp

**Pulpit oratory** *see* Preaching

**Pulpits**

*See also* Church furniture

**Pulpwood** *see* Wood pulp

**Pumping stations**

*See also* Pumps; Water supply

**Pumps**

*See also* Air pumps; Pumping stations

**Punch and Judy** *see* Puppet plays

**Punching machinery**

*See also* Dies

**Punctuation****Punic wars**

*See also* Carthage; Rome — History — Republic

**Punishment**

*See also* Capital punishment; Corporal punishment; Crime and criminals; Criminal law; Crucifixion; Exile; Flogging; Future punishment; Gallies; Indeterminate sentence; Parole; Penal colonies; Pillory; Prisons; Probation system; Reformatories; Torture; Workhouses

**Punning**

*See also* Humor

**Puppet plays**

*See also* Shadow pantomimes

**Pure food laws** *see* Food adulteration and inspection; Food laws

**Purgatives****Purgatory**

*See also* Future life; Future punishment; Indulgences

**Purification of water** *see* Water — Purification  
**Puritanism** *see* Puritans

**Puritans**

*See also* Blue laws; Church of England; Congregationalism; Dissenters; Friends, Society of; Marprelate controversy; Massachusetts — History; Nonjurors; Pilgrim fathers; Presbyterianism; Thanksgiving day

*Refer from* Book trade (s); Books; Booksellers and bookselling; Copyright; Literature; Printing; Publishing (s)

*Refer from* Indians; Pueblos

*Refer from* Arizona; Indians; Indians—Antiquities; New Mexico; Pueblo Indians

*Refer from* Belting; Machinery; Mechanical movements; Mechanics; Power transmission; Rope driving; Shafting

*Refer from* Church furniture

*Refer from* Hydraulic engineering; Pumps; Water supply

*Refer from* Engines; Hydraulic engineering; Hydraulic machinery; Machinery; Pumping stations; Steam pumps (s); Water supply

*Refer from* Dies; Machine tools; Metal work; Sheet-metal work

*Refer from* Language; Rhetoric; Writing

*Refer from* Carthage; Rome — History — Republic

*Refer from* Crime and criminals; Criminal law; Government; Law; Manners and customs; Penology (s); Prisons; Retribution (s); Sociology; Torture

*Refer from* Humor

*Refer from* Amusements; Drama; Marionettes (s); Pantomime; Punch and Judy (s); Theater

*Refer from* Therapeutics

*Refer from* Catholic church; Church discipline; Death; Eschatology; Future life; Future punishment; Indulgences; Intermediate state (s); Probation (theology) (s); Retribution (s); Theology

*Refer from* Calvinism; Christian biography; Church of England; Congregationalism; Dissenters; Massachusetts — History; Pilgrim fathers; Puritanism (s)



Purity *see* Chastity

Pus *see* Suppuration

Puseyism *see* Oxford movement; Pusey, E. B.

**Putrefaction**

*See also* Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

**Puzzles**

*See also* Acrostics; Anagrams; Charades; Riddles

Pygmies *see* Dwarfs

**Pyramids**

*See also* Egypt — Antiquities

**Pyrography**

*See also* Arts and crafts

**Pyrometers and pyrometry**

Pyrotechnics *see* Fireworks

**Quacks and quackery**

*See also* Imposture; Medicines, Proprietary; Swindlers and swindling

Quadrature of the circle *see* Circle-squaring

**Quadrupeds**

*See also* Animals; Domestic animals; Mammals; Zoology

Quakers *see* Friends, Society of

Qualitative analysis *see* Chemistry—Analysis

Quantitative analysis *see* Chemistry—Analysis

**Quarantine**

*See also* Hygiene, Public

**Quarries and quarrying**

*See also* Blasting; Building stones; Mines and mineral resources; Stone

Quartets, Vocal, *see* Choruses and part songs

Quaternary period *see* Geology, Stratigraphic — Quaternary; Paleontology — Quaternary

**Quaternions**

*See also* Algebra; Vector analysis

**Queen Anne's war, 1702-1713**

*See also* Indians — Wars; U. S.—History — Colonial period

**Queens and empresses**

*See also* Courts and courtiers; Monarchy

Quicksilver *see* Mercury

**Quietism**

*See also* Mysticism

**Quincy system**

*See also* Object teaching

**Quotations**

*See also* Clippings; Daily readings; Epigrams; Maxims; Mottoes; Proverbs

*Refer from* Antiseptics; Bacteriology; Contagion and contagious diseases; Disinfection and disinfectants; Fermentation; Ptomaines

*Refer from* Acrostics; Amusements; Charades; Riddles

*Refer from* Archaeology; Architecture; Architecture, Ancient; Egypt — Antiquities; Monuments

*Refer from* Arts and crafts; Burnt leather (s); Burnt wood work (s); Etching; Fire etching (s) Poker work (s); Wood burning (s); Woodwork  
*Refer from* Heat; Thermometer

*Refer from* Charlatanry (s); Imposture; Medical delusions; Medicine; Swindlers and swindling

*Refer from* Mammals; Zoology

*Refer from* Contagion and contagious diseases; Epidemics; Hygiene, Public; Naval hygiene

*Refer from* Blasting; Building stones; Geology, Economic; Mines and mineral resources; Stone; Stone quarries (s)

*Refer from* Algebra; Geometry; Mathematics; Vector analysis

*Refer from* England — History — Stuarts; French in America; Indians — Wars; New England — History — Colonial period; New York (state) — History; Spanish succession, War of; U. S.—History — Colonial period

*Refer from* Biography; Courts and courtiers; Empresses (s); Kings and rulers; Monarchy; Rulers (s); Royalty (s); Sovereigns (s); Women

*Refer from* Mysticism; Theology

*Refer from* Object teaching; Teaching

*Refer from* Aphorisms (s); Apothegms (s); Epigrams; Literature; Maxims; Mottoes; Poetry; Proverbs; Reference books; Sayings (s)



**Quran** *see* Koran

**Rabbits**

*See also* Belgian hares; Hares; Rodents

**Rabies** *see* Hydrophobia

**Race** characteristics *see* Anthropology; Ethnology; National characteristics

**Race horses** *see* Horse; Horse racing

**Race improvement** *see* Eugenics

**Race problems**

*See also* Immigration and emigration; International relations; Jews; Negroes; Yellow races

—U. S.

*See also* Chinese in the U. S.; Immigration and emigration — U. S.; Indians; Japanese in the U. S.; Negroes; U. S.—Foreign population

**Race psychology** *see* Ethnopsychology

**Races of man** *see* Ethnology

**Racing** *see* Automobile racing; Horse racing; Rowing; Running; Yachts and yachting

**Rackets (game)**

**Racquets** *see* Rackets (game)

**Radiation**

*See also* Cathode rays; Heat; Light; N rays; Radioactivity; Sound; Spectra; X rays

**Radioactive substances** *see* Radioactivity

**Radioactivity**

*See also* Cathode rays; Electrons; Helium; Ionization of gases; Phosphorescence; Radiography; Radiotherapy; Radium; X rays

**Radiography**

*See also* X rays

**Radiotelegraphy** *see* Wireless telegraphy

**Radiotherapy**

*See also* Radium; X rays

**Radium**

*See also* Radioactivity; Radiotherapy

**Ragged schools**

**Railings**

*See also* Fences

**Railroad accidents** *see* Railroads — Accidents

**Railroad bridges** *see* Bridges

**Railroad commissions**

**Railroad construction** *see* Railroads — Construction

**Railroad crossings** *see* Railroads — Crossings

**Railroad employees** *see* Railroads — Employees

**Railroad engineering**

*See also* Railroads — Construction; Railroads — Maintenance and repair; Railroads — Management; Surveying

*Refer from* Agricultural pests; Hares; Rodents

*Refer from* Ethnology; Government; History; International relations; Man; Native races (s); Social problems; Sociology; Yellow peril (s)

*Refer from* Ethnology — U. S.; Immigration and emigration — U. S.; Negroes; U. S. — Foreign population; U. S. — Race problems (s)

*Refer from* Games; Racquets (s); Tennis

*Refer from* Heat; Light; Physics; Sound

*Refer from* Becquerel rays (s); Chemistry; Chemistry, Physical; Electric discharges through gases; Electricity; Electrons; Helium; Ionization of gases; Light; Matter; Physics; Radiation; Radioactive substances (s); Radium; Rare earths; Science; Spectra

*Refer from* Dislocations; Fractures; Photography; Radioactivity; Sciagraphs (s); Skiagraphs (s); X-ray photography (s); X rays

*Refer from* Actinotherapy (s); Electrotherapeutics; Phototherapy; Radioactivity; Radium; Therapeutics; X rays

*Refer from* Chemical elements; Precious metals; Radioactivity; Radiotherapy

*Refer from* Charities; Charity schools; Education; Schools

*Refer from* Architecture; Balustrades (s); Carpentry; Fences; Hand-railings (s); Hand-railings (s); Iron work; Stair building

*Refer from* Government regulation of industry; Public service commissions; Railroads; Railroads — Law

*Refer from* Civil engineering; Engineering; Railroads; Railroads — Construction; Surveying



Railroad labor *see* Railroads — Employees  
 Railroad law *see* Railroads — Law  
 Railroad passes *see* Passes (free transportation)  
 Railroad rates *see* Railroads — Rates  
 Railroad shops *see* Railroads — Shops  
 Railroad signals *see* Railroads — Signals  
 Railroad spikes *see* Nails and spikes  
 Railroad stations *see* Railroads — Stations  
**Railroad stories**  
 Railroad switches *see* Railroads — Switches  
 Railroad terminals *see* Railroads — Stations  
 Railroad ties *see* Railroads — Ties  
 Railroad tracks *see* Railroads — Track

## **Railroads**

*See also* Aerial railroads; Air brakes; Brakes; Bridges; Cable railroads; Carriers; Cars; Commerce; Earthwork; Electric railroads; Elevated railroads; Eminent domain; Express companies; Freight; Locomotives; Mountain railroads; Passes (free transportation); Railroad commissions; Railroad engineering; Railroad stories; Railway mail service; Rapid transit; Safety devices; Ship railroads; Speed; Steam engines; Street railroads; Subways; Surveying; Suspended railways; Train despatching; Transportation; Trestles; Tunnels

### **—Accidents**

*See also* Railroads — Crossings; Railroads — Signals; Safety devices

### **—Aerial, *see* Aerial railroads**

### **—Baggage, *see* Baggage**

### **—Buildings**

*See also* Railroads — Shops; Railroads — Stations

### **—Cable, *see* Cable railroads**

### **—Cars, *see* Cars; Railroads — Rolling stock**

### **—Collisions, *see* Railroads — Accidents**

### **—Construction**

*See also* Bridges; Civil engineering; Culverts; Curves in engineering; Earthwork; Railroad engineering; Railroads — Buildings; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track; Rails; Trestles; Tunnels

### **—Crossings**

*See also* Railroads — Track

### **—Depots, *see* Railroads — Stations**

### **—Electric, *see* Electric railroads**

### **—Electrification**

*See also* Electric locomotives; Electric railroads

### **—Elevated, *see* Elevated railroads**

### **—Employees**

*See also* Railroads — Pensions

*Refer from* Fiction; Railroads

*Refer from* Carriers; Commerce; Communication; Locomotives; Public service corporations; Railways (s); Rapid transit; Roads; Steam engines; Transportation

*Refer from* Accidents; Collisions (railroad) (s); Disasters; Occupations, Dangerous; Railroad accidents (s); Railroads — Collisions (s)

*Refer from* Architecture; Railroads — Construction; Railroads — Stations

*Refer from* Civil engineering; Engineering; Railroad construction (s); Railroad engineering; Railroads — Maintenance and repair; Railroads — Ties; Railroads — Track

*Refer from* Crossings, Railroad (s); Grade crossings (s); Municipal improvement; Railroad crossings (s); Railroads — Accidents; Railroads — Construction; Railroads — Track; Roads

*Refer from* Electric locomotives; Electric railroads; Electrification of railroads (s); Railroads — Equipment and supplies

*Refer from* Labor and laboring classes; Railroad employees (s); Railroad labor (s); Railroads — Labor (s); Railroads — Management





## **Railroads—Continued**

### **—Equipment and supplies**

*See also* Air brakes; Brakes; Car couplings; Car heating, lighting and ventilation; Cars; Locomotives; Railroads—Electrification; Railroads—Maintenance and repair; Railroads—Management; Railroads—Rolling stock; Railroads—Shops; Railroads—Signals; Safety devices

### **—Finance**

*See also* Railroads—Rates; Railroads—Taxation

### **—Freight, *see* Freight**

### **—Government ownership, *see* Government ownership; Railroads and state**

### **—History**

### **—Labor, *see* Railroads—Employees**

### **—Law**

*See also* Interstate commerce; Railroad commissions; Railroads—Rates; Railroads and state

### **—Maintenance and repair**

*See also* Railroads—Construction; Railroads—Equipment and supplies; Railroads—Management; Railroads—Rolling stock; Railroads—Ties; Railroads—Track; Rails

### **—Management**

*See also* Railroads—Employees; Railroads—Equipment and supplies; Railroads—Finance; Railroads—Maintenance and repair; Railroads—Signals; Scientific management; Train despatching

### **—Military**

### **—Monorail, *see* Railroads—Single rail**

### **—Operation, *see* Railroads—Management**

### **—Passes, *see* Passes (free transportation)**

### **—Pensions**

### **—Rails, *see* Rails**

### **—Rates**

*See also* Interstate commerce; Passes (free transportation)

### **—Repair shops, *see* Railroads—Shops**

### **—Rolling stock**

*See also* Cars; Locomotives; Railroads—Equipment and supplies; Railroads—Maintenance and repair; Sleeping cars

### **—Safety devices, *see* Safety devices**

### **—Shops**

### **—Signals**

### **—Single rail**

*See also* Gyroscope; Suspended railways

*Refer from* Railroads—Maintenance and repair; Railroads—Management; Railroads—Rolling stock

*Refer from* Capitalization (finance) (s); Investments; Railroads—Management

*Refer from* Corporation law; Railroad law (s)

*Refer from* Railroad engineering; Railroads—Construction; Railroads—Equipment and supplies; Railroads—Management; Railroads—Rolling stock; Railroads—Track

*Refer from* Railroad engineering; Railroads—Equipment and supplies; Railroads—Maintenance and repair; Railroads—Operation (s); Scientific management

*Refer from* Military art and science; Military engineering; Military railroads (s)

*Refer from* Pensions; Railroads—Employees

*Refer from* Freight; Freight rates (s); Government regulation of industry; Interstate commerce; Prices; Railroad rates (s); Railroads—Finance; Railroads—Law; Railroads and state; Rates, Railroad (s); Rebates (railroads) (s)

*Refer from* Cars; Railroads—Cars (s); Railroads—Equipment and supplies; Railroads—Maintenance and repair; Rolling stock (s)

*Refer from* Car shops (s); Railroad shops (s); Railroads—Buildings; Railroads—Equipment and supplies; Railroads—Repair shops (s); Repair shops, Railroad (s); Shops (s)

*Refer from* Block signal system (s); Railroad signals (s); Railroads—Accidents; Railroads—Equipment and supplies; Railroads—Management; Safety devices; Signals

*Refer from* Electric railroads; Gyroscope; Monorailways (s); Railroads, Monorail (s); Single rail (s)



## **Railroads — Continued**

### **—Stations**

*See also* Railroads — Buildings

### **—Suspended, *see* Suspended railways**

### **—Switches**

*See also* Railroads — Track

### **—Taxation**

### **—Terminals, *see* Railroads — Stations**

### **—Ties**

*See also* Railroads — Construction; Railroads — Track; Wood — Preservation

### **—Track**

*See also* Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails

### **—Underground, *see* Subways**

### **—U. S.**

## **Railroads and state**

*See also* Government ownership; Government regulation of industry; Interstate commerce; Railroads — Rates

## **Rails**

*See also* Railroads — Track

## **Railway mail service**

*See also* Postal service

Railways *see* Railroads

## **Rain**

*See also* Droughts; Meteorology

## **Rainbow**

## **Ramie**

*See also* Fibers

Rams, Hydraulic, *see* Hydraulic rams

## **Ranch life**

*See also* Cowboys; Western states

Range management *see* Farm management

## **Rapid transit**

*See also* Electric railroads; Elevated railroads; Railroads; Street railroads; Subways

Rappists *see* Harmonists

Rare books *see* Book rarities

## **Rare earths**

*See also* Chemistry, Inorganic; Mineralogy;

Radioactivity

Rasps *see* Files and rasps

Rat *see* Rats

Rates, Railroad, *see* Railroads — Rates

## **Rationalism**

*See also* Deism; Enlightenment; Free thought; Reason; Transcendentalism

*Refer from* Architecture; Depots (s); Railroad stations (s); Railroad terminals (s); Railroads — Buildings; Railroads — Depots (s); Railroads — Terminals (s); Stations, Railroad (s)

*Refer from* Railroad switches (s); Railroads — Track; Switches, Railroad (s)

*Refer from* Railroads — Finance; Taxation

*Refer from* Cross-ties (s); Railroad ties (s); Railroads — Construction; Railroads — Maintenance and repair; Railroads — Track; Steel ties (s); Ties, Railroad (s)

*Refer from* Railroad tracks (s); Railroads — Construction; Railroads — Crossings; Railroads — Maintenance and repair; Railroads — Switches; Railroads — Ties; Rails; Track, Railroad (s)

*Refer from* Interstate commerce; U. S.—Commerce; U. S.—Railroads (s)

*Refer from* Government; Government ownership; Government regulation of industry; Interstate commerce; Railroads — Government ownership (s); Railroads — Law

*Refer from* Railroads — Construction; Railroads — Maintenance and repair; Railroads — Rails (s); Railroads — Track; Steel; Steel rails (s)

*Refer from* Postal service; Railroads

*Refer from* Climate; Droughts; Meteorology; Storms; Water

*Refer from* Light; Meteorology

*Refer from* Fibers; Hemp

*Refer from* Cowboys; Farm life; Frontier and pioneer life; Western states

*Refer from* Electric railroads; Elevated railroads; Railroads; Street railroads; Subways; Transit (s); Transportation

*Refer from* Chemistry, Inorganic; Earths, Rare (s); Mineralogy; Precious minerals (s)

*Refer from* Agnosticism; Belief; Deism; Free thought; Materialism; Philosophy; Philosophy, Modern; Reason (in religion) (s); Religion; Skepticism; Theology



**Rats**

*See also* Rats as carriers of contagion; Rodents

**Rats as carriers of contagion**

Raw materials *see* Commercial products

Reaction, Chemical, *see* Chemical reaction

**Reaction time**

*See also* Psychology, Physiological; Psychometry

**Readers** [for English school readers]

*See also* Primers; Recitations and readings; *also* names of languages, e.g. German language — Readers

**Reading**

*See also* Books and reading; Elocution; Readers

Readings *see* Recitations and readings

**Ready-reckoners**

*See also* Mathematics — Tables, etc.

**Reagents**

*See also* Chemical reaction

**Real estate**

*See also* Church property; Conveyancing; Deeds; Easements; Eminent domain; Entail; Estates, Unclaimed; Farm values; Farms; Land; Land tenure; Land titles; Landlord and tenant; Liens; Mortgages; Possession (in law); Property; Real estate business; Rent; Riparian rights; Sale; Single tax; Taxation; Torrens system; Unearned increment

**Real estate business**

Real presence *see* Lord's supper; Transubstantiation

Real property *see* Real estate

**Realism**

*See also* Idealism; Naturalism; Realism in art; Realism in literature; Scholasticism

**Realism in art**

*See also* Idealism in art; Naturalism in art

**Realism in literature**

*See also* Idealism in literature; Naturalism in literature

Realism in philosophy *see* Realism

**Reality**

*See also* Being; Metaphysics

Realty *see* Real estate

Reapers *see* Harvesting machinery

Reaping machines *see* Harvesting machinery

**Reason**

*See also* Animal intelligence; Instinct; Judgment; Logic; Philosophy; Psychology; Thought and thinking

Reason (in religion) *see* Rationalism

Reasoning *see* Logic

Rebates (railroads) *see* Railroads — Rates

*Refer from* Household pests; Rat (s); Rodents

*Refer from* Contagion and contagious diseases; Rats

*Refer from* Consciousness; Psychology; Psychology, Physiological; Psychometry; Senses and sensation; Time, Reaction (s)

*Refer from* English language — Readers (s); Literature; Primers; Reading; Recitations and readings; Textbooks

*Refer from* Elocution

*Refer from* Arithmetic; Arithmetic, Commercial; Calculation — Aids (s); Calculators (s); Mathematics

*Refer from* Chemical reaction; Chemical reagents (s); Chemistry

*Refer from* Betterments (s); Commercial law; Conveyancing; Deeds; Easements; Investments; Land; Land tenure; Land titles; Law; Mortgages; Property; Real property (s); Realty (s)

*Refer from* Business; Investments; Real estate

*Refer from* Idealism; Naturalism; Philosophy; Realism in philosophy (s); Scholasticism

*Refer from* Art; Esthetics; Idealism in art; Naturalism in art; Painting; Realism

*Refer from* Esthetics; Fiction; Idealism in literature; Literature; Naturalism in literature; Realism

*Refer from* Being; Knowledge; Metaphysics; Philosophy

*Refer from* Intellect; Judgment; Logic; Philosophy; Psychology; Rationalism; Thought and thinking



Rebates of duties *see* Drawbacks

**Rebellion**

*See also* Revolutions; *also* names of countries in which rebellions have taken place, e.g. U. S.—History — Civil war

**Recall**

*See also* Referendum

**Receipts**

*See also* Cookery

**Receivers**

*See also* Bankruptcy

Recipes *see* Cookery; Receipts

**Reciprocity**

*See also* Commercial treaties; Tariff question

**Recitations and readings**

*See also* Christmas poetry; Dialogues; English literature — Collections; English poetry — Collections; Literature — Collections; Monologues; Orations; Poetry — Collections; Readers

—Dialect

—Humorous

**Reclamation of land**

*See also* Alkali lands; Drainage; Irrigation; Jetties; Marshes

**Recognition (international law)**

**Reconstruction**

*See also* Freedmen; Ku-Klux Klan; Southern states; U. S.—History — 1865-1898

Records, Public, *see* Archives

Records of births, marriages and deaths *see* Vital records

Recreation *see* Amusements; Games; Play; Sports

Recreation centers *see* Social centers

**Recruiting and enlistment**

*See also* Bounties, Military; Conscription; Military service

Rectors *see* Clergy

**Red cross**

*See also* Battlefield relief

Redemption *see* Salvation

**Redemptioners**

*See also* Indentured servants

**Reed organ**

*Refer from* Government; Revolutions

*Refer from* Elections; Government; Impeachment; Municipal government; Referendum

*Refer from* Chemistry; Chemistry, Technical; Home economics; Industrial arts; Manufactures; Recipes (s); Workshop receipts (s)

*Refer from* Agency; Bankruptcy; Corporations; Law

*Refer from* Commerce; Commercial treaties; Fair trade (s); Government; Tariff; Tariff question

*Refer from* Declamation (s); Dialogues; Elocution; English literature — Collections; Entertainments; Literature; Literature — Collections; Monologues; Pieces to speak (s); Poetry — Collections; Readers; Readings (s); Speakers (s)

*Refer from* Dialect recitations (s); Negro dialect

*Refer from* Humor; Humorous recitations (s)

*Refer from* Agriculture; Civil engineering; Conservation of resources; Deserts; Drainage; Engineering; Hydraulic engineering; Irrigation; Land; Marshes

*Refer from* International law; War

*Refer from* Carpetbag rule (s); Freedmen; Ku-Klux Klan; Southern states; U. S.—History — Civil war; U. S.—History — 1865-1898; U. S.—History — Reconstruction (s), U. S.—Reconstruction (s)

*Refer from* Armies; Bounties, Military; Conscription; Enlistment (s); Military service

*Refer from* Battlefield relief; Disasters; Hospitals, Military; International law; Nurses and nursing; Relief work (s); War

*Refer from* Germans in Pennsylvania; Immigration and emigration — U. S.; Indentured servants; Slavery; U. S.—History — Colonial period

*Refer from* Cabinet organ (s); Harmonium (s); Musical instruments; Organ





**Reference books**

*See also* Allusions; Classical dictionaries; Dictionaries; Encyclopedias; Quotations; *also* subhead Dictionaries under various subjects

**Referendum**

*See also* Recall

Reflecting telescope *see* Telescope

**Reflection (light)**

*See also* Light; Optical instruments

Reflections *see* Meditations

Reforestation *see* Forest planting

**Reform**

*See also* Charities; Reformers; Social problems; *also* Civil service reform, Prisons, and other subjects of reform

Reform schools *see* Reformatories

**Reformation**

*See also* Catholic church — History; Church history; Counter-reformation; Husites; Protestantism; Reformers; Thirty years' war; *also* names of countries and churches

**—France**

*See also* France — History — House of Valois; France — Religious history; Huguenots; Waldenses

**—Germany**

*See also* Anabaptists; Germany — History — 1517-1740; Germany — Religious history; Lutheran church; Peasants' war

**—Scotland**

*See also* Church of Scotland; Covenanters; Scotland — Religious history

**—Spain**

*See also* Inquisition; Spain — History — 1479-1700; Spain — Religious history

**Reformatories**

*See also* Juvenile courts; Prisons; Probation system

**Reformed church in America [Dutch]**

Reformed Dutch church in America *see* Reformed church in America

**Reformers**

*See also* Reformation

**Refraction**

*See also* Astronomy, Spherical and practical; Light

**Refrigeration and refrigerating machinery**

*See also* Cold storage; Ice; Ice — Manufacture; Liquid air

*Refer from* Bibliography; Books; Books and reading; Libraries

*Refer from* Constitutional law; Democracy; Direct legislation (s); Government; Initiative (s); Legislation; Legislation, Direct (s); Municipal government; Recall; Representative government and representation

*Refer from* Light; Optical instruments

*Refer from* Progress; Social problems; Social reform (s)

*Refer from* Catholic church — History; Christianity; Church history; Church history — Reformation (s); Church history — Modern; Counter-reformation; History, Modern; Protestant reformation (s); Protestantism; Reformers

*Refer from* France — History — House of Valois; France — Religious history; Huguenots; Waldenses

*Refer from* Germany — History — 1517-1740; Germany — Religious history; Lutheran church; Peasants' war

*Refer from* Church of Scotland; Covenanters; Scotland — Religious history

*Refer from* Inquisition; Spain — History — 1479-1700; Spain — Religious history

*Refer from* Crime and criminals; Education; Industrial schools (s); Juvenile delinquency; Juvenile reformatories (s); Penal institutions (s); Prisons; Punishment; Reform schools (s)

*Refer from* Dutch reformed church (s); Reformed Dutch church in America (s); Sects

*Refer from* Biography; Christian biography; Reform; Reformation

*Refer from* Astronomy, Spherical and practical; Dioptrics (s); Light

*Refer from* Cold storage; Cooling appliances (s); Food preservation and preservatives; Freezing (s); Frost; Ice; Ice — Manufacture; Ice machinery (s); Machinery; Refrigerators (s)



Refrigerators *see* Cold storage; Refrigeration and refrigerating machinery

**Refuse and refuse disposal**

*See also* Sewage; Street cleaning; Waste products; Water pollution

*Refer from* Disposal of refuse (s); Factory waste (s); Garbage (s); Hygiene, Public; Municipal engineering; Municipal improvement; Sanitary chemistry; Sanitary engineering; Sanitation; Street cleaning; Trades waste (s); Waste, Disposal of (s); Waste products

**Regalia**

*See also* Church vestments; Costume; Crowns; Insignia

Regattas *see* Rowing; Sailing; Yachts and yachting

**Regency**

**Regeneration (biology)**

*See also* Biology; Cells

*Refer from* Costume; Insignia

*Refer from* Government; Monarchy

*Refer from* Biology; Cells; Growth; Reproduction

**Regeneration (theology)**

*See also* Baptism; Conversion; Salvation

*Refer from* Baptism; Conversion; Salvation; Theology

**Regicides**

*See also* Charles I, king of England; England — History — Stuarts; England — History — Civil war and commonwealth

Regimental histories. For regiments of regular armies *see* under various countries, e.g. U.S. — Army — 25th infantry; for state volunteer regiments and militia *see* under states, e.g. New York artillery — 9th regiment; for volunteer regiments recruited at large *see* under country, e.g. United States volunteer infantry — 2d regiment; *also* names by which regiments are known, e.g. Rough Riders

*Refer from* Biography; Crime and criminals; England — History — Stuarts; England — History — Civil war and commonwealth

**Registers**

*See also* Almanacs; Yearbooks [for annual registers]; *also* names of places, religious denominations, etc.

Registers of births, marriages and deaths *see* Vital records

Registration laws *see* Election laws

Reign of terror *see* French revolution

Reincarnation *see* Preëxistence; Transmigration

**Reindeer**

*See also* Ungulata

Reinforced concrete *see* Concrete, Reinforced

Relationship *see* Consanguinity

Relaxation *see* Amusements; Rest

**Relics**

*See also* Miracles; Saints; Shrines

*Refer from* Deer; Ungulata

*Refer from* Christian antiquities; Miracles; Shrines; Superstition

Relief work *see* Battlefield relief; Charities; Disasters; Famines; First aid in illness and injury; Outdoor relief; Red cross

**Religion**

For the Christian doctrines *see* Theology; for evidences *see* Christianity — Evidences; *See also* Allegories; Atheism; Authority (in religion); Belief; Bible; Christianity; Conscience; Consolation; Deism; Devotional exercises; Ecstasy; Ethics; Evil; Faith; Fanaticism; Fasts and feasts; Free religion; Future life; God; Hymns; Idolatry; Jesus Christ; Miracles; Missions; Monasticism;

*Refer from* Christianity; Ethics; Faith; God; Man; Natural religion; Philosophy; Revelation; Sociology; Supernatural; Theology



## **Religion — Continued**

Mysteries (religious); Mysticism; Mythology; Natural religion; Oracles; Paganism; Pantheism; Philosophy; Positivism; Prayer; Rationalism; Religion and ethics; Religion and science; Religion of the future; Religions; Religious education; Religious liberty; Religious literature; Religious orders; Religious poetry; Repentance; Revelation; Revivals; Ritualism; Sacraments; Sacrilege; Sacrifice; Saints; Sects; Secularism; Sermons; Sin; Skepticism; Spiritual life; Sunday; Supernatural; Superstition; Symbolism; Theism; Theosophy; Totems and totemism; Worship; *also* headings beginning Christian and Church, and names of countries, subhead Religion or Religious history

— Personal, *see* Christian life and character; Spiritual life

### **—Philosophy**

Religion and education *see* Church and education

### **Religion and ethics**

Religion and evolution *see* Religion and science  
Religion and medicine *see* Medicine and religion

### **Religion and science**

*See also* Bible and science; Creation; Evolution; Modernism; Natural religion

Religion and sociology *see* Christian sociology; Social ethics

Religion and the public schools *see* Public schools and religion

Religion of humanity *see* Positivism

### **Religion of the future**

## **Religions**

*See also* Babism; Brahmanism; Buddhism; Christianity; Christianity and other religions; Confucianism; Dervishes; Druids; Druses; Hinduism; Idolatry; Indians — Religion; Jews — Religion; Lamaism; Mohammedanism; Mormons and Mormonism; Mythology; Nagualism; Parsees; Polytheism; Rosicrucians; Sacred books; Sects; Shinto; Sikhs; Spiritualism; Taoism; Theosophy; Worship; Zoroastrianism; *also* names of non-Christian countries, subhead Religion

Religious anecdotes *see* Anecdotes, Religious

Religious art *see* Christian art and symbolism; Church architecture; Temples

Religious authority *see* Authority (in religion)

Religious belief *see* Belief; Faith

Religious biography *see* Christian biography

Religious ceremonies *see* Rites and ceremonies

Religious denominations *see* Sects

### **Religious education**

*See also* Bible — Study and teaching; Bible in the schools; Church and education; Church schools; Moral education; Public

*Refer from* Philosophy of religion (s)

*Refer from* Ethics; Ethics and religion (s); Religion

*Refer from* Bible; Bible and science; Christianity — Evidences; Christianity and science (s); Creation; Evolution; Natural religion; Philosophy; Religion; Religion and evolution (s); Science; Science and religion (s); Theology

*Refer from* Future religion (s); Religion

*Refer from* Belief; Civilization; Comparative religion (s); Mythology; Polytheism; Religion; Religious history (s); Superstition

*Refer from* Christian education (s); Christian life and character; Church and education; Education; Education, Religious (s); Moral



schools and religion; Sunday schools; Theology — Study and teaching

Religious experience *see* Christian life and character; Conversion; Spiritual life

Religious festivals *see* Fasts and feasts; Festivals

Religious history *see* Church history; Religions; *also* names of countries and cities, subhead Religious history

#### **Religious liberty**

*See also* Catholic emancipation; Church and state; Free religion; Free thought; Liberty; Liberty of conscience; Persecution

#### **Religious literature**

*See also* Anecdotes, Religious; Catholic literature; Religious poetry

Religious mysteries *see* Mysteries (religious)

#### **Religious orders**

*See also* Brotherhoods; Chivalry; Monasticism; Nuns; Sisterhoods; *also* names of orders, e.g. Franciscans; Jesuits; Malta, Knights of; Templars; Teutonic knights

#### **Religious poetry**

*See also* Hymns

Religious services *see* Church services; Devotional exercises; Liturgies; Worship

Remedies (in medicine) *see* Materia medica; Therapeutics

#### **Renaissance**

*See also* Architecture, Renaissance; Art, Renaissance; Fifteenth century; Humanism; Middle ages

Renaissance architecture *see* Architecture, Renaissance

Renaissance art *see* Art, Renaissance

Renascence *see* Renaissance

#### **Rent**

*See also* Economics; Eviction; Land; Landlord and tenant

Repair shops, Railroad, *see* Railroads — Shops  
Repairing *see* Mending and repairing

#### **Repentance**

*See also* Confession; Conversion; Penance

#### **Reporting**

*See also* Journalism; Shorthand; War correspondence

#### **Repoussé work**

*See also* Arts and crafts; Metal work

Representation *see* Proportional representation; Representative government and representation

#### **Representative government and representation**

*See also* Boroughs; Cabinet system; Constitutional law; Democracy; Elections; Gerrymander; Legislative bodies; Nominations; Proportional representation; Referendum; Republics; Suffrage

education; Religion; Sunday schools; Theology — Study and teaching

*Refer from* Catholic church; Church and state; Church history; Free thought; Government; Intolerance (s); Liberty; Liberty of conscience; Persecution; Private judgment; Religion; Toleration (s)

*Refer from* Literature; Religion

*Refer from* Brotherhoods; Catholic church; Catholic church — Orders (s); Church history; Church polity; Convents and nunneries; Monastic orders (s); Monasticism; Nuns; Orders, Religious (s); Religion; Sisterhoods

*Refer from* Hymns; Poetry; Religion; Religious literature; Sacred poetry (s)

*Refer from* Art, Renaissance; Civilization; Fifteenth century; History, Modern; Humanism; Literature; Middle ages; Renaissance (s); Revival of letters (s)

*Refer from* Cost of living; Economics; House rent (s); Land; Land tenure; Landlord and tenant; Law; Property; Real estate

*Refer from* Conversion; Penance; Penitence (s); Religion; Sin; Theology

*Refer from* Correspondence (s); Interviewing (s); Journalism; Newspaper work (s); Newspapers

*Refer from* Arts and crafts; Metal work

*Refer from* Boroughs; Constitutional law; Constitutions; Democracy; Elections; Free institutions; Government; Proportional representation; Representation (s); Republics; Self-government (s); Suffrage; Voting (s)





**Reproduction**

*See also* Biology; Embryology; Fecundity; Parthenogenesis; Regeneration (biology); Spontaneous generation

**Reptiles**

*See also* Amphibia; Snakes; Vertebrates

**—Fossil**

**—U. S.**

**Republican party**

*See also* Free soil party; U. S.— Politics

**Republics**

*See also* Democracy; Federal government; Government; Representative government and representation; *also* names of republics

**Repudiation**

*See also* Debts, Public

**Research**

*See also* Laboratories; Medical research; Psychical research; Scientific research; Seminary method

Reservations for the Indians *see* Indians — Reservations

**Reservoirs**

*See also* Dams; Irrigation; Water supply

Residences *see* Architecture, Domestic

**Resignation**

Resins *see* Gums and resins

Resistance, Electric, *see* Electric resistance

Resistance of materials *see* Strength of materials

Resorts *see* Health resorts; Summer resorts; Winter resorts

Resources *see* Natural resources; Conservation of resources; *also* names of countries, sub-head Industries and resources

Respiration *see* Breathing

**Respiratory organs**

*See also* Anatomy; Breathing; Lungs; Nose; Physiology; Throat

**—Diseases**

*See also* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Pneumonia; Tuberculosis

**Responsive worship**

*See also* Liturgies; Ritualism

**Rest**

*See also* Fatigue; Sleep

**Restaurants**

*See also* Catering; Hotels; Waiters

**Restraint of trade**

*See also* Combination, Industrial; Interstate commerce; Labor unions; Monopolies; Police power; Trusts

Resumption of specie payment *see* Money — U. S.; Silver (as money)

**Resurrection**

*See also* Eschatology; Future life; Jesus Christ — Resurrection and ascension

*Refer from* Biology; Embryology; Fecundity; Generation (s); Spontaneous generation; Zoology

*Refer from* Amphibia; Herpetology (s); Snakes; Vertebrates

*Refer from* Fossil reptiles (s); Paleontology

*Refer from* U. S.— Herpetology (s); U. S.— Reptiles (s); Zoology — U. S.

*Refer from* Political parties; U. S.— Politics

*Refer from* Constitutional law; Democracy; Federal government; Free institutions; Government; Presidential government (s); Representative government and representation

*Refer from* Debts, Public; Finance; Loans

*Refer from* Colleges and universities; Education; Education and state; Scientific research; Seminary method; Study

*Refer from* Dams; Hydraulic engineering; Irrigation; Water supply

*Refer from* Affliction; Ethics

*Refer from* Air passages (s); Anatomy; Breathing; Chest; Lungs; Nose; Physiology

*Refer from* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Medicine — Practice; Pneumonia; Tuberculosis

*Refer from* Church services; Devotional exercises; Liturgies; Prayer; Worship

*Refer from* Fatigue; Hygiene; Mental hygiene; Nervous system; Overwork; Relaxation (s); Therapeutics

*Refer from* Cafés (s); Hotels

*Refer from* Combination, Industrial; Commerce; Interstate commerce; Labor unions; Law; Monopolies; Police power; Trusts

*Refer from* Death; Eschatology; Future life; Theology



**Reproduction**

*See also* Biology; Embryology; Fecundity; Parthenogenesis; Regeneration (biology); Spontaneous generation

**Reptiles**

*See also* Amphibia; Snakes; Vertebrates

**—Fossil****—U. S.****Republican party**

*See also* Free soil party; U. S.— Politics

**Republics**

*See also* Democracy; Federal government; Government; Representative government and representation; *also* names of republics

**Repudiation**

*See also* Debts, Public

**Research**

*See also* Laboratories; Medical research; Psychological research; Scientific research; Seminary method

Reservations for the Indians *see* Indians — Reservations

**Reservoirs**

*See also* Dams; Irrigation; Water supply

Residences *see* Architecture, Domestic

**Resignation**

Resins *see* Gums and resins

Resistance, Electric, *see* Electric resistance

Resistance of materials *see* Strength of materials

Resorts *see* Health resorts; Summer resorts; Winter resorts

Resources *see* Natural resources; Conservation of resources; *also* names of countries, sub-head Industries and resources

Respiration *see* Breathing

**Respiratory organs**

*See also* Anatomy; Breathing; Lungs; Nose; Physiology; Throat

**—Diseases**

*See also* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Pneumonia; Tuberculosis

**Responsive worship**

*See also* Liturgies; Ritualism

**Rest**

*See also* Fatigue; Sleep

**Restaurants**

*See also* Catering; Hotels; Waiters

**Restraint of trade**

*See also* Combination, Industrial; Interstate commerce; Labor unions; Monopolies; Police power; Trusts

Resumption of specie payment *see* Money — U. S.; Silver (as money)

**Resurrection**

*See also* Eschatology; Future life; Jesus Christ — Resurrection and ascension

*Refer from* Biology; Embryology; Fecundity; Generation (s); Spontaneous generation; Zoology

*Refer from* Amphibia; Herpetology (s); Snakes; Vertebrates

*Refer from* Fossil reptiles (s); Paleontology

*Refer from* U. S.— Herpetology (s); U. S.— Reptiles (s); Zoology — U. S.

*Refer from* Political parties; U. S.— Politics

*Refer from* Constitutional law; Democracy; Federal government; Free institutions; Government; Presidential government (s); Representative government and representation

*Refer from* Debts, Public; Finance; Loans

*Refer from* Colleges and universities; Education; Education and state; Scientific research; Seminary method; Study

*Refer from* Dams; Hydraulic engineering; Irrigation; Water supply

*Refer from* Affliction; Ethics

*Refer from* Air passages (s); Anatomy; Breathing; Chest; Lungs; Nose; Physiology

*Refer from* Asthma; Bronchitis; Catarrh; Cold (disease); Cough; Croup; Hay fever; Influenza; Medicine — Practice; Pneumonia; Tuberculosis

*Refer from* Church services; Devotional exercises; Liturgies; Prayer; Worship

*Refer from* Fatigue; Hygiene; Mental hygiene; Nervous system; Overwork; Relaxation (s); Therapeutics

*Refer from* Cafés (s); Hotels

*Refer from* Combination, Industrial; Commerce; Interstate commerce; Labor unions; Law; Monopolies; Police power; Trusts

*Refer from* Death; Eschatology; Future life; Theology



- Retaining walls *see* Walls  
 Retouching *see* Photography  
 Retribution *see* Future life; Future punishment; Hell; Punishment; Purgatory  
**Revelation**  
*See also* Apocalyptic literature; Bible; Christianity; Inspiration; Religion; Theology  
 Revenue *see* Finance; Tariff; Taxation; *also* names of countries, subhead Revenue  
 Reviews *see* Book reviews  
 Revision of the Bible *see* Bible — Revision  
 Revival of letters *see* Renaissance  
**Revivals**  
*See also* Camp meetings; Conversion; Evangelistic work; Keswick movement; Prayer meetings  
*Refer from* Christian life and character; Church history; Church work; Conversion; Evangelistic work; Missions; Religion; Theology  
 Revolutionary war (U. S.) *see* U. S. — History — Revolution  
**Revolutions**  
*See also* French revolution; Rebellion; *also* under various countries, e.g. France  
 — History — Revolution of 1848; Germany  
 — History — Revolution, 1848–1849; U. S.  
 — History — Revolution  
 Revolvers *see* Pistols  
**Rewards (prizes, etc.)**  
*See also* Bounties; Nobel prizes; Prizes (international law)  
 Rhaeto-Romanic language *see* Romansch language  
**Rheostats**  
*See also* Electric controllers; Electric resistance  
**Rhetoric**  
*See also* Allegory; Alliteration; Analogy; Composition (English); Conversation; Criticism; Descriptive writing; Drama; Editorials; Elocution; Eloquence; Esthetics; Irony; Lectures and lecturing; Letter writing; Metaphor; Onomatopoeia; Oratory; Poetry; Preaching; Précis writing; Prose; Punctuation; Satire; Translation; Versification  
 Rheto-Romanic language *see* Romansch language  
**Rheumatism**  
**Rhodes scholarships, Oxford university**  
**Rhyme**  
*See also* Prosody  
**Rhythm**  
*See also* Meter  
**Rice**  
**Riches** *see* Wealth  
**Riddles**  
*See also* Charades; Puzzles  
 Riding *see* Coaches and coaching; Driving; Horsemanship  
**Rifle practice**  
*See also* Target practice  
*Refer from* Gunnery; Infantry drill and tactics; Military art and science; Rifles; Shooting; Target practice



**Rifles**

*See also* Firearms; Guns; Rifle practice; Shooting

Right and wrong *see* Ethics

Right-handedness *see* Left- and right-handedness

Right of assembly *see* Assembly, Right of

Right of petition *see* Petition, Right of

Right of sanctuary *see* Asylum, Right of

Right of search *see* Search, Right of

Righthandedness *see* Left- and right-handedness

Rights, Civil, *see* Civil rights

Rights of women *see* Woman suffrage; Women — Law; Women — Social condition

Rime *see* Rhyme

Ringling *see* Bells; Chimes and chiming

**Rings**

*See also* Jewelry

**Riots**

*See also* Draft riot, 1863; Lynch law; Strikes and lockouts

**Riparian rights**

*See also* Water rights

**Rites and ceremonies**

*See also* Baptism; Canonization; Christian antiquities; Church dedication; Confirmation; Coronations; Fasts and feasts; Fire walk; Flute ceremonies; Funeral rites and ceremonies; Hymns; Inaugurations; Indians — Religion; Liturgies; Manners and customs; Marriage; Marriage customs and rites; Mass; Mysteries (religious); Ordination; Prayers; Ritualism; Sacraments; Totems and totemism; Worship

Ritual *see* Liturgies; Rites and ceremonies; Ritualism; *also* names of churches, subhead Liturgy and ritual

**Ritualism**

*See also* Catholic church — Liturgy and ritual; Church of England — Liturgy and ritual; Protestant Episcopal church in the U. S. — Liturgy and ritual; Rites and ceremonies; Worship

**Rivers**

*See also* Dams; Deltas; Embankments; Erosion; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Riparian rights; Valleys; Water pollution; Water power; Waterways

**— U. S.**

*See also* Waterways — U. S.

**Riviera**

*See also* France — Description and travel; Italy — Description and travel; Monaco; Provence

Road, Rule of the, *see* Rule of the road

Road engines *see* Traction engines

**Road maps**

*Refer from* Arms and armor; Carbines (s); Firearms; Guns; Shooting

*Refer from* Finger rings (s); Jewelry

*Refer from* Crime and criminals; Crowds; Government; History; Mobs (s); Strikes and lockouts

*Refer from* Land tenure; Law; Littoral rights (s); Real estate; Rivers; Water rights; Waterways

*Refer from* Ceremonies (s); Christian antiquities; Christian art and symbolism; Church ceremonies (s); Church polity; Ecclesiastical ceremonies (s); Liturgies; Manners and customs; Religious ceremonies (s); Ritual (s); Ritualism; Worship

*Refer from* Catholic church; Catholic church — Liturgy and ritual; Church of England; Church of England — Liturgy and ritual; Church polity; Liturgies; Prayer; Protestant Episcopal church in the U. S.; Religion; Responsive worship; Rites and ceremonies; Ritual (s); Worship

*Refer from* Civil engineering; Engineering; Floods; Hydraulic engineering; Hydraulics; Hydrography; Inland navigation; Physical geography; Streams (s); Valleys; Water; Waterways

*Refer from* U. S. — Rivers (s); Waterways. — U. S.

*Refer from* France — Description and travel; Italy — Description and travel; Monaco; Provence; Winter resorts

*Refer from* Maps; Roads





## **Roads**

*See also* Civil engineering; Dust; Eminent domain; Indian trails; Pavements; Portages; Railroads; Railroads — Crossings; Road maps; Sidewalks; Street cleaning; Street railroads; Streets

### **—Macadamized**

### **—Roman**

### **—U. S.**

*See also* Cumberland road; Indian trails; Oregon trail; Salt Lake trail; Santa Fe trail; Wilderness road

Robbers *see* Brigands and robbers

## **Robins**

*See also* Birds

Rochdale system *see* Cooperation

Rock *see* Rocks

## **Rock drills**

*See also* Boring; Mining machinery

Rock tombs *see* Tombs

## **Rocks**

*See also* Geochemistry; Geodes; Geology; Granite; Igneous rocks; Limestone; Mineralogy; Sandstone; Slate; Stone

Rod, The, *see* Corporal punishment; Flogging

## **Rodents**

*See also* Hares; Mammals; Mice; Rabbits; Rats

Roentgen rays *see* X rays

## **Roller-skating**

## **Rolling mills**

*See also* Iron industry; Steel industry

Rolling stock *see* Railroads — Rolling stock

Romaic language *see* Greek language (modern)

Romaic literature *see* Greek literature (modern)

Roman Campagna *see* Campagna di Roma

Roman Catholic church *see* Catholic church

## **Roman emperors**

*See also* Rome — History — Empire

Roman law *see* Civil law

Roman literature *see* Latin literature

Roman mythology *see* Mythology, Classical

Roman roads *see* Roads, Roman

Romance *see* Fiction; Romances

## **Romance languages**

*See also* Aryan languages; French language; Italian language; Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

## **Romance literature**

*See also* French literature; Italian literature; Portuguese literature; Spanish literature

## **Romances**

*See also* Arthurian romances; Charlemagne — Romances; English metrical romances; Fiction; Legends; Poetry

*Refer from* Civil engineering; Coaches and coaching; Eminent domain; Engineering; Highways (s); Pavements; Streets; Thoroughfares (s); Transportation; Turnpikes (s)

*Refer from* Macadamized roads (s); Pavements

*Refer from* Roads — England; Roads — France; Roads — Italy; Roman roads (s)

*Refer from* U. S. — Roads (s)

*Refer from* Birds

*Refer from* Boring; Diamond drilling (s); Excavating machinery; Mining engineering; Mining machinery

*Refer from* Chemical geology (s); Geochemistry; Geology; Granite; Igneous rocks; Lithology (s); Metamorphic rocks (s); Mineralogy; Petrography (s); Petrology (s); Rock (s); Sedimentary rocks (s); Stone

*Refer from* Hares; Mammals; Mice; Rabbits; Rats

*Refer from* Skating; Sports

*Refer from* Iron industry; Mills and millwork; Steel industry

*Refer from* Caesars (s); Emperors; Rome — History — Empire

*Refer from* Aryan languages; French language; Italian language; Language; Latin language; Neo-Latin languages (s); Portuguese language; Provençal language; Romansch language; Rumanian language; Spanish language

*Refer from* French literature; Italian literature; Literature; Portuguese literature; Spanish literature

*Refer from* Chivalry; Epic poetry; Fiction; Folklore; German literature; German romances (s); Legends; Literature; Romance (s); Stories (s)



**Romanism** *see* Catholic church  
**Romansch language**  
*See also* Romance languages

**Romanticism**  
*See also* Classicism

**Romany language**

**Romaunsch language** *see* Romansch language

**Rome — History**

—— **Kings, B. C. 753–510**

—— **Republic, B. C. 510–30**

*See also* Gallic wars; Punic wars

—— **Empire, B. C. 30–A. D. 476**

*See also* Barbarian invasions of Rome;

Byzantine empire; Roman emperors

**Rommany language** *see* Romany language

**Rood screens**

**Roofs**

*See also* Arches; Architecture; Building; Ceilings; Domes; Gables; Girders; Graphic statics; Scaffolding; Skylights; Slate; Steel construction; Strains and stresses; Trusses; Vaulting

**Root crops**

*See also* Vegetables

**Roots**

*See also* Botany, Structural; Root crops

**Rope**

*See also* Cables; Cordage; Hemp; Knots and splices; Rope driving; Wire

**Rope driving**

*See also* Belting; Power transmission; Pulleys

**Ropeways** *see* Cableways

**Rosary**

**Rose** *see* Roses

**Roses**

*See also* Floriculture

**Roses, Wars of the,** *see* Wars of the Roses

**Rosetta stone**

**Rosicrucians**

*See also* Mysticism

**Rosin** *see* Gums and resins

**Rosy cross, Order of the,** *see* Rosicrucians

**Rotation**

*See also* Dynamics; Earth — Rotation; Gyroscope; Rotation of crops

**Rotation of crops**

*See also* Agriculture; Pastures and meadows

**Rotation of the earth** *see* Earth — Rotation

**Rough Riders**

*See also* U. S.—History — War with Spain

**Roumanian language** *see* Rumanian language

*Refer from* Rhaeto-Romanic language (s); Rheto-Romanic language (s); Romance languages; Romaunsch language (s)

*Refer from* Classicism; Esthetics; Idealism in art; Idealism in literature; Literature

*Refer from* Gipsy language (s); Gypsy language (s); Indo-Aryan languages; Rommany language (s)

*Refer from* Gallic wars; Punic wars

*Refer from* Barbarian invasions of Rome; Roman emperors

*Refer from* Church decoration and ornament; Church furniture

*Refer from* Architecture; Building; Carpentry; Domes; Gables; Girders; Graphic statics; Steel construction; Strains and stresses; Trusses

*Refer from* Agricultural products; Crops; Feeding and feeding stuffs; Roots; Vegetables

*Refer from* Botany — Physiology; Botany, Structural; Plants

*Refer from* Cables; Cordage; Hemp; Hoisting machinery; Manufactures

*Refer from* Belting; Power transmission; Pulleys; Rope

*Refer from* Beads; Catholic church; Prayers

*Refer from* Floriculture; Flowers; Rose (s)

*Refer from* Egypt — Antiquities; Hieroglyphics

*Refer from* Mysticism; Order of the Rosy cross (s); Religions; Rosy cross, Order of the (s); Secret societies

*Refer from* Dynamics; Motion; Physics

*Refer from* Agriculture; Crop rotation (s); Crops; Farm management; Rotation; Soil fertility

*Refer from* U. S.—History — War with Spain; United States volunteer cavalry



Round Table *see* Arthurian romances

**Round towers**

*See also* Ireland — Antiquities

**Rowing**

*See also* Aquatic sports; Boats and boating; Canoes and canoeing; College athletics

**Royal descent, Families of**

Royal supremacy (Church of England) *see* Church of England — Royal supremacy

Royalty *see* Kings and rulers; Monarchy; Princes and princesses; Queens and empresses

**Rubber**

*See also* Gutta-percha

Rubber tires *see* Tires

**Rugs**

*See also* Carpets; House decoration

Ruins *see* Archaeology

**Rule of the road**

Rulers *see* Kings and rulers; *also* Emperors; Monarchy; Popes; Presidents; Queens and empresses

Rules of order *see* Parliamentary practice

**Rumanian language**

*See also* Romance languages

**Runes**

**Running**

*See also* Track athletics; Walking

Rural architecture *see* Architecture, Domestic; Bungalows; Cottages; Country houses; Farm buildings; Landscape gardening

Rural economy *see* Agriculture

**Rural free delivery**

*See also* Postal service — U. S.

Rural life *see* Country life; Farm life; Outdoor life

Rural poetry *see* Pastoral poetry

Rural schools *see* Country schools

Russian church *see* Greek church

**Russian language**

*See also* Slavic languages

**Russian literature**

*See also* Slavic literature

**Russians in the U. S.**

*See also* Slavs in the U. S.

**Russo-Japanese war, 1904-1905**

*See also* Japan — History; Russia — History

Russo-Turkish war, 1853-1856, *see* Crimean war

*Refer from* Archaeology; Ireland — Antiquities; Towers

*Refer from* Aquatic sports; Athletics; Boats and boating; College athletics; Locomotion; Navigation; Oarsmanship (s); Racing (s); Regattas (s); Sculling (s); Sports

*Refer from* Genealogy; Kings and rulers

*Refer from* Agricultural products; Agriculture — Tropics; Caoutchouc (s); Chemistry, Technical; Forest products; Gutta-percha; India-rubber (s); Indiarubber (s); Manufactures

*Refer from* Arts and crafts; Carpets; Domestic arts; Floors; House decoration; Textile industry and fabrics; Weaving

*Refer from* Collisions at sea; Navigation; Road, Rule of the (s)

*Refer from* Romance languages; Roumanian language (s)

*Refer from* Alphabet; Germanic languages; Inscriptions

*Refer from* Animal locomotion; Athletics; Cross-country running (s); Exercise; Foot-racing (s); Locomotion; Physical education; Racing (s); Sports; Track athletics; Walking

*Refer from* Postal service; Postal service — U. S.

*Refer from* Slavic languages

*Refer from* Slavic literature

*Refer from* Slavs in the U. S.; U. S. — Foreign population

*Refer from* Eastern question (Far East); Japan — History; Russia — History



**Russo-Turkish war, 1877-1878**

*See also* Russia — History; Turkey — History

Rust *see* Corrosion and anti-corrosives

**Rustic woodwork**

*See also* Garden ornaments and furniture

Rustless coatings *see* Corrosion and anti-corrosives

**Rye House plot**

*See also* England — History — Stuarts

Sabbatarians *see* Seventh-day Baptists

Sabbath *see* Sabbath, Jewish; Sunday

Sabbath, Jewish

Saber *see* Swords

Sabre *see* Swords

**Sacraments**

*See also* Baptism; Confirmation; Lord's supper; Marriage; Ordination; Penance; Unction

Sacred art *see* Christian art and symbolism

**Sacred books**

*See also* Avesta; Bible; Eddas; Koran; Talmud; Vedas

Sacred history *see* Bible — History; Church history

Sacred music *see* Church music; Oratorios

Sacred poetry *see* Hymns; Religious poetry

**Sacrifice**

*See also* Altars; Atonement

**Sacrilege**

Saddlery *see* Harness

**Safes**

*See also* Vaults

**Safety devices**

*See also* Air brakes; Brakes; Car couplings; Employers' liability; Lightning conductors; Railroads — Signals; Safety lamps; Safety valves

**Safety lamps**

*See also* Mine accidents; Mine fires

**Safety valves**

*See also* Boilers; Steam engines; Valves and valve gears

**Sagas**

*See also* Eddas; Folklore; Icelandic literature; Scandinavian literature

**Sailing**

*See also* Aquatic sports; Boats and boating; Canoes and canoeing; Navigation; Skipjacks; Yachts and yachting

Sailing directions *see* Pilot guides

**Sailors**

*See also* Impressment; Missions — Seamen; Naval biography; Pilots and pilotage; Sea stories; Seafaring life

Sailors' missions *see* Missions — Seamen

*Refer from* Eastern question (Near East); Russia — History; Turco-Russian war (s); Turkey — History; Turko-Russian war (s)

*Refer from* Carpentry; Garden ornaments and furniture; Landscape gardening

*Refer from* England — History — Stuarts

*Refer from* Jews; Jews — Religion; Sabbath (s)

*Refer from* Baptism; Catholic church; Church of England; Church polity; Lord's supper; Protestant Episcopal church in the U. S.; Religion; Rites and ceremonies; Theology; Worship

*Refer from* Literature; Religions

*Refer from* Altars; Human sacrifice (s); Religion; Theology; Worship

*Refer from* Desecration (s); Profanation (s); Religion

*Refer from* Vaults

*Refer from* Accidents; Air brakes; Brakes; Employers' liability; Life-saving; Occupations, Dangerous; Railroads; Railroads — Accidents; Railroads — Equipment and supplies; Railroads — Safety devices (s)

*Refer from* Explosions; Lamps; Mine accidents; Mine fires; Safety devices

*Refer from* Boilers; Safety devices; Steam engines; Valves and valve gears

*Refer from* Eddas; Folklore; Icelandic literature; Legends; Literature; Mythology, Norse; Northmen; Scandinavian literature

*Refer from* Aquatic sports; Boats and boating; Locomotion; Navigation; Regattas (s); Ships; Sports; Yachts and yachting

*Refer from* Naval biography; Navigation; Ocean; Ocean travel; Seafaring life; Seamen (s); Ships; Voyages and travels





**Sailors' songs**

**Sails**

St. Augustine, Order of, *see* Augustinians

**St. Bartholomew's day, Massacre of**

*See also* France — History — House of Valois; Huguenots

St. John of Jerusalem, Order of, *see* Malta, Knights of

St. Valentine's day *see* Valentine's day

**Saints**

*See also* Apostles; Bible — Biography; Canonization; Fathers of the church; Legends; Martyrs; Saints in art; Shrines

**Saints in art**

*See also* Christian art and symbolism

**Salads**

*See also* Cookery; Sauces

**Salaries**

*See also* Income; Teachers — Salaries; pensions, etc.; Wages

**Sale**

*See also* Auctions; Commercial law; Conveyancing; Land titles

**Salesmanship**

*See also* Advertising; Business; Commercial travelers

Salesmen, Traveling, *see* Commercial travelers

**Salic law**

**Salmon**

*See also* Fish; Trout

**Salons**

*See also* Précieuses

Saloons *see* Liquor problem; Liquor traffic; Temperance

**Salt**

*See also* Condiments; Geology, Economic; Sea water

**Salt Lake trail**

**Salts**

*See also* Chemistry

**Salutations**

**Salvage**

*See also* Maritime law; Wrecking

**Salvation**

*See also* Atonement; Conversion; Future life; Grace (theology); Infant salvation; Justification; Predestination; Regeneration (theology); Sanctification; Soul; Universalism

**Salvation army**

*See also* Farm colonies

*Refer from* Chanteys (s); Chanties (s); Songs

*Refer from* Ships

*Refer from* Bartholomew, St., Massacre of (s); France — History — House of Valois; France — Religious history; Huguenots; Massacres

*Refer from* Apostles; Bible; Bible — Biography; Canonization; Catholic church; Catholic church — Biography; Christian biography; Fathers of the church; Heroes; Legends; Martyrs; Miracles; Relics; Religion

*Refer from* Christian art and symbolism; Iconography (s); Saints

*Refer from* Cookery

*Refer from* Compensation (s); Economics; Income; Prices; Wages

*Refer from* Commercial law; Contracts; Land titles; Law; Personal property; Property; Real estate; Selling (s); Vendors (s)

*Refer from* Advertising; Business; Commerce; Commercial travelers; Peddlers and peddling; Selling (s)

*Refer from* France — Law; Inheritance; Law; Property; Women — Law

*Refer from* Fish; Fishing; Trout

*Refer from* French salons (s); Précieuses; Society; Women in France

*Refer from* Condiments; Geology, Economic; Mines and mineral resources

*Refer from* Indian trails; Roads — U. S.; Trails (s); Western states

*Refer from* Chemistry

*Refer from* Etiquet; Greetings (s); Manners and customs

*Refer from* Admiralty; Collisions at sea; Insurance, Marine; International law; Maritime law; Prizes (international law); Shipping; Shipwrecks; Wrecking

*Refer from* Conversion; Future life; Jesus Christ; Predestination; Redemption (s); Regeneration (theology); Sin; Soteriology (s); Theology

*Refer from* Charities; Evangelistic work; Sects



**Samplers**

**San José scale**

*See also* Scale insects

**Sanatoriums**

*See also* Convalescent homes; Health resorts; Hospitals

**Sanctification**

*See also* Christian life and character

**Sanctuary** *see* Asylum, Right of

**Sand dunes** *see* Dunes

**Sandemanians**

**Sandstone**

*See also* Building stones

**Sandwiches**

**Sangreal** *see* Grail

**Sanitariums** *see* Sanatoriums

**Sanitary affairs** *see* Hygiene, Public; Sanitation; *also* names of countries and cities, subhead Sanitary affairs

**Sanitary chemistry**

*See also* Adulterations; Air pollution; Chemistry, Household; Cleaning; Food — Analysis; Food adulteration and inspection; Refuse and refuse disposal; Sewage; Smoke; Water — Analysis; Water — Purification; Water pollution

**Sanitary engineering**

*See also* Filters and filtration; Heating; Hygiene, Public; Municipal engineering; Plumbing; Public comfort stations; Refuse and refuse disposal; Sanitation; Sewage; Sewerage; Street cleaning; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs

**Sanitary science** *see* Hygiene; Sanitary engineering; Sanitation

**Sanitation**

*See also* Cemeteries; Cleanliness; Disinfection and disinfectants; Hygiene; Hygiene, Public; Military hygiene; Naval hygiene; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation, Household; School hygiene; Sewage; Sewerage; Smoke; Ventilation; Water — Purification; Water supply; *also* names of countries and cities, subhead Sanitary affairs

—**Household**

*See also* Chemistry, Household; Heating; House cleaning; Plumbing; Ventilation

**Sanskrit** *see* Sanskrit

**Sanskrit language**

*See also* Indo-Aryan languages

**Sanskrit literature**

*See also* Hindu literature; Oriental literature; Vedas

**Santa Claus**

*See also* Christmas

*Refer from* Needlework

*Refer from* Chinese scale (s); Insects, Injurious and beneficial; Scale insects

*Refer from* Health resorts; Hospitals; Medicine; Mineral waters; Sanitariums (s)

*Refer from* Christian life and character; Christian perfection (s); Holiness (s); Perfection, Christian (s); Salvation; Spiritual life; Theology

*Refer from* Glassites (s); Sects

*Refer from* Building stones; Rocks; Stone

*Refer from* Cookery; Luncheons

*Refer from* Chemistry; Chemistry, Household; Chemistry, Sanitary (s); Sanitation

*Refer from* Architecture; Building; Civil engineering; Engineering; Engineering, Sanitary (s); Hygiene, Public; Municipal engineering; Municipal improvement; Plumbing; Sanitary science (s); Sanitation; Sewerage

*Refer from* Cleanliness; Hygiene; Hygiene, Public; Sanitary affairs (s); Sanitary engineering; Sanitary science (s)

*Refer from* Chemistry, Household; Domestic hygiene (s); Home economics; House drainage (s); House sanitation (s); Household sanitation (s); Housing problem; Hygiene, Domestic (s); Plumbing; Sanitation

*Refer from* Indo-Aryan languages

*Refer from* Hindu literature; Oriental literature

*Refer from* Christmas; Nicholas, St.



**Santa Fé trail**

**Saracens**

*See also* Arabia — History; Arabs; Caliphs; Crusades; Mohammedanism; Moors

**Sarcophagi**

**Satan** *see* Devil

**Satellites**

*See also* Astronomy; Moon; Perturbation; Planets

**Satire**

*See also* Caricature and cartoons; Humor; Irony; Parodies

— **American**

*See also* American literature; Satire, English

— **English**

*See also* English literature; Satire, American

— **Greek**

*See also* Greek literature

**Sauces**

*See also* Cookery

**Savages**

*See also* Indians; Society, Primitive

**Saving** *see* Thrift

**Savings banks**

*See also* Banks and banking; Building and loan associations; Postal savings banks; School savings banks; Thrift; Trust companies

**Saw mills** *see* Sawmills

**Sawmills**

**Saws**

*See also* Woodworking machinery

**Saxon language** *see* Anglo-Saxon language;

Old Saxon language

**Sayings** *see* Epigrams; Maxims; Proverbs;

Quotations; Table-talk

**Scaffolding**

*See also* Building; Shoring and underpinning

**Scalds** *see* Burns and scalds

**Scale (music)**

**Scale insects**

*See also* Hemiptera; San José scale

**Scalping**

**Scandinavian languages**

*See also* Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

**Scandinavian literature**

*See also* Danish literature; Eddas; Icelandic literature; Norwegian literature; Sagas; Swedish literature

**Scandinavian mythology** *see* Mythology, Norse

*Refer from* Indian trails; New Mexico; Roads — U. S.; Southwestern states; Trails (s); Western states

*Refer from* Arabia — History; Arabs; Crusades; Mohammedanism; Moors

*Refer from* Bas-relief; Burial; Christian art and symbolism; Sculpture; Tombs

*Refer from* Astronomy; Perturbation; Planets; Secondary planets (s)

*Refer from* Caricature and cartoons; Comic literature (s); Humor; Lampoons (s); Literature; Rhetoric

*Refer from* American literature; American satire (s); Humor, American; Satire, English

*Refer from* English literature; English satire (s); Humor, English; Satire, American

*Refer from* Greek literature; Greek satire (s)

*Refer from* Cookery; Salads

*Refer from* Ethnology; Man; Primitive man (s); Society, Primitive; Sociology

*Refer from* Banks and banking; Cooperation; Thrift

*Refer from* Lumber and lumbering; Mills and millwork; Saw mills (s)

*Refer from* Tools; Woodworking machinery

*Refer from* Building; Carpentry; Roofs

*Refer from* Music

*Refer from* Coccidae (s); Fruit — Diseases and pests; Hemiptera; Insects, Injurious and beneficial; San José scale

*Refer from* Indians

*Refer from* Danish language; Germanic languages; Icelandic language; Norwegian language; Swedish language

*Refer from* Danish literature; Icelandic literature; Literature; Norse literature (s); Norwegian literature; Sagas; Swedish literature



**Scandinavians in the U. S.**

*See also* Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.

**Scarabs**

*Scarlatina see* Scarlet fever

**Scarlet fever**

Scenarios *see* Plots (drama, novel, etc.)

**Scene painting**

Scenery *see* Landscape; Nature; Picturesque

Scent *see* Odors; Perfumery; Tracking

Scepticism *see* Skepticism

**Schism, The great western, 1378-1417**

*See also* Church history — Middle ages; Popes — History

**Scholars**

*See also* Culture; Degrees, Academic

Scholarship *see* Culture; Education; Scholars

**Scholarships**

*See also* Rhodes scholarships, Oxford university

Scholastic philosophy *see* Scholasticism

**Scholasticism**

*See also* Philosophy, Medieval; Realism

**School administration and organization**

*See also* School grading and promotions; School management; School reports; School superintendents and principals

School architecture *see* Schoolhouses

**School athletics**

*See also* Baseball; Basket-ball; College athletics; Football

**School attendance**

*See also* Compulsory education; Truancy

School books *see* Textbooks

School buildings *see* Schoolhouses

School centralization *see* Schools — Centralization

**School children**

*See also* Anthropometry; Child study; Children, Abnormal and backward; Medical inspection of schools; Playgrounds; School attendance; School hygiene; School lunches; School management; Study; Truancy

**School city**

*See also* Self-government (in education)

**School decoration**

School discipline *see* School management

**School entertainments**

School equipment *see* School furniture and equipment

**School excursions**

School farms *see* Farm schools; School gardens

*Refer from* Danes in the U. S.; Norwegians in the U. S.; Swedes in the U. S.; U. S. — Foreign population

*Refer from* Amulets; Beetles; Symbolism

*Refer from* Children — Diseases; Contagion and contagious diseases; Fever; Medicine — Practice; Scarlatina (s)

*Refer from* Painting; Theater

*Refer from* Catholic church — History; Church history — Middle ages; Great schism, 1378-1417 (s); Papal schism (s); Popes — History

*Refer from* Culture; Education; Learned men (s); Learning (s); Scholarship (s); Study

*Refer from* Colleges and universities; Education; Education and state

*Refer from* Philosophy; Philosophy, Medieval; Realism; Scholastic philosophy (s)

*Refer from* School management; School organization (s)

*Refer from* Athletics; College athletics; Games; High school athletics (s); High schools; Physical education; School sports (s)

*Refer from* Compulsory education; School children; Truancy

*Refer from* Boys; Children; Girls; Public schools; School hygiene

*Refer from* Citizenship; Education and citizenship; School republics (s); Self-government (in education)

*Refer from* Art in the schoolroom (s); Decoration and ornament; House decoration; Schoolhouses; Schoolroom decoration (s)

*Refer from* Entertainments

*Refer from* Amusements; Excursions, School (s)





**School furniture and equipment**

**School gardens**

*See also* Gardening; Vacant lot cultivation

**School grading and promotions**

**School houses** *see* Schoolhouses

**School hygiene**

*See also* Medical inspection of schools; Open-air schools; Overpressure (education); Playgrounds; School children; School lunches; School nurses

**School lands**

**School laws**

*See also* Compulsory education

**School libraries**

*See also* Libraries and schools

**School life** *see* Student life

**School lunches**

**School management**

*See also* Corporal punishment; Fire drills; Overpressure (education); School administration and organization; School grading and promotions; Self-government (in education); Teaching

**School music**

*See also* Kindergarten — Games and songs

**School nurses**

*See also* Medical inspection of schools

**School organization** *see* School administration and organization

**School playgrounds** *see* Playgrounds

**School principals** *see* School superintendents and principals

**School reports**

**School republics** *see* School city

**School savings banks**

**School sports** *see* School athletics

**School stories**

*See also* College stories

**School superintendents and principals**

**School teaching** *see* Teaching

**Schoolhouses**

*See also* School decoration; School hygiene; Social centers

**Schoolmasters** *see* Teachers

**Schoolroom decoration** *see* School decoration

**Schools**

*See also* Academies (schools); Auxiliary schools; Charity schools; Church schools;

*Refer from* Furniture; School equipment (s)

*Refer from* Gardening; Gardens; Nature study; School farms (s); Vacant lot cultivation

*Refer from* Grading in schools (s); Promotion (in schools) (s); School administration and organization; School management; Teaching

*Refer from* Children — Care and hygiene; Hygiene; Hygiene, Public; Medical inspection of schools; Occupations — Diseases and hygiene; Sanitation; School children; Schoolhouses

*Refer from* Land; Land grants; Land tenure; U. S. — Public lands

*Refer from* Compulsory education; Educational laws (s); Law

*Refer from* Children's literature; Libraries; Libraries, Children's; Libraries, School (s); Libraries and schools

*Refer from* Children — Care and hygiene; Diet; Luncheons; Penny lunches (s); School children; School hygiene

*Refer from* Corporal punishment; Discipline, School (s); School administration and organization; School children; School discipline (s); Teaching

*Refer from* Music; Singing and voice culture; Songs

*Refer from* Medical inspection of schools; Nurses and nursing; School hygiene

*Refer from* School administration and organization

*Refer from* Banks and banking; Savings banks

*Refer from* College stories; Fiction; Student life

*Refer from* Principals, School (s); School administration and organization; School principals (s); Superintendents, School (s); Teachers

*Refer from* Architecture; Public buildings; School architecture (s); School buildings (s); School houses (s)

*Refer from* Education; Public schools



## **Schools—Continued**

Colleges and universities; Correspondence schools and courses; Country schools; Curriculum; Education; Evening and continuation schools; Farm schools; Grammar schools; High schools; Kindergarten; Libraries and schools; Normal schools; Open-air schools; Parental schools; Playgrounds; Private schools; Public schools; Ragged schools; Sewing schools; Summer schools; Sunday schools; Trade schools; Truant schools; Vacation schools; *also* headings beginning School

### **—Centralization**

*Refer from* Centralization of schools (s); Concentration of schools (s); Consolidation of schools (s); Country schools; Public schools; School centralization (s)

**—Medical inspection, *see* Medical inspection of schools**

**Schools and libraries *see* Libraries and schools; Children's literature; Libraries, Children's**

## **Schwenkfelders**

Sciagraphs *see* Radiography

## **Science**

*See also* Anthropology; Astronomy; Biology; Botany; Chemistry; Economics; Ethnology; Evolution; Geography; Geology; Government; History; Industrial arts; Inventions; Language; Law; Logic; Mathematics; Medicine; Meteorology; Microscope and microscopy; Military art and science; Mineralogy; Natural history; Nature; Nature study; Naval art and science; Occult sciences; Paleontology; Philosophy; Physical geography; Physics; Psychology; Radioactivity; Religion and science; Scientific apparatus and instruments; Scientific expeditions; Scientific recreations; Scientific research; Scientific societies; Scientists; Sociology; Technology; Theology; Weights and measures; Zoology

### **—Study and teaching**

*See also* Nature study; Technical education; *also* names of sciences

**Science and religion *see* Religion and science**

**Science and the Bible *see* Bible and science**

### **Scientific apparatus and instruments**

*See also* Astronomical instruments; Chemical apparatus; Instruments; Optical instruments; *also* names of instruments

**Scientific associations *see* Scientific societies**

**Scientific education *see* Science—Study and teaching**

### **Scientific expeditions**

*See also* Antarctic regions; Arctic regions; Challenger expedition; *also* names of countries, subhead Exploring expeditions

**Scientific instruments *see* Scientific apparatus and instruments**

### **Scientific management**

*See also* Accounting; Cost accounting; Efficiency, Industrial; Executive ability; Factory management; Foremen's schools; Machine shop management; Railroads—Management

*Refer from* Germans in Pennsylvania; Sects

*Refer from* Discoveries (in science) (s); Knowledge; Natural history; Natural science (s); Nature; Philosophy

*Refer from* Education, Scientific (s); Scientific education (s)

*Refer from* Instruments; Philosophical instruments (s); Physical instruments (s); Science; Scientific instruments (s)

*Refer from* Antarctic regions; Arctic regions; Discoveries and explorations; Expeditions, Scientific (s); Science; Voyages and travels

*Refer from* Business; Efficiency, Industrial; Executive ability; Factory management; Industrial betterment; Labor and laboring classes; Machine shop management; Management of factories, shops, etc. (s); Manufactures;



Scientific men *see* Scientists

**Scientific recreations**

*See also* Mathematical recreations

**Scientific research**

*See also* Laboratories; Medical research; Research

**Scientific societies**

*See also* Botanical societies; Chemical societies; Learned societies

**Scientists**

*See also* Astronomers; Botanists; Chemists; Electricians; Entomologists; Geologists; Inventors; Mathematicians; Naturalists; Ornithologists; Zoologists

Scores (music) *see* Music — Scores, and references under that subject

Scotch ballads *see* Ballads, Scottish

**Scotch in France**

Scotch in Ireland *see* Scotch-Irish

**Scotch-Irish**

**Scotch-Irish in the U. S.**

Scotch literature *see* Scottish literature

Scotch plaids *see* Tartans

Scottish ballads *see* Ballads, Scottish

Scottish borders *see* Borders of Scotland

Scottish clans *see* Clans

Scottish highlands *see* Highlands of Scotland

Scottish language *see* English language — Dialects — Scottish; Gaelic language

**Scottish literature**

*See also* Ballads, Scottish; English literature; Gaelic literature; Scottish poetry

Scottish marches *see* Borders of Scotland

**Scottish poetry**

*See also* Ballads, Scottish; English poetry; Scottish literature; Songs, Scottish

Scottish songs *see* Ballads, Scottish; Songs, Scottish

Scouring *see* Cleaning; Dyes and dyeing

**Scouts and scouting**

*See also* Boy scouts; Tracking

Scrap-books *see* Scrapbooks

**Scrapbooks**

*See also* Clippings

Screw-cutting machines *see* Screw machines

**Screw machines**

*See also* Machine tools; Screws

Screw propellers *see* Propellers

**Screws**

*See also* Machine design; Screw machines

Scriptures *see* Bible

Sculling *see* Rowing

**Sculptors**

*See also* Artists

**Sculpture**

*See also* Anatomy, Artistic; Art; Bas-relief; Bronzes; Carving (art industries); Drawing; Esthetics; Ivory; Marble; Modeling; Monuments; Plaster casts; Proportion (art); Sarcophagi; Sculptors; Statues

Mills and millwork; Railroads — Management; Shop management (s); Works management (s)

*Refer from* Amusements; Science

*Refer from* Research; Science; Study

*Refer from* Learned societies; Science; Scientific associations (s); Societies

*Refer from* Authors; Biography; Naturalists; Science; Scientific men (s)

*Refer from* Ireland; Scotch in Ireland (s)

*Refer from* Irish in the U. S.; U. S. — Foreign population

*Refer from* British literature (s); English literature; Scotch literature (s); Scottish poetry

*Refer from* Ballads, Scottish; British poetry (s); English poetry; Scottish literature

*Refer from* Military art and science

*Refer from* Clippings; Scrap-books (s)

*Refer from* Machine tools; Machinery; Screw-cutting machines (s); Screws

*Refer from* Hardware; Machine design; Machinery; Screw machines

*Refer from* Artists; Sculpture

*Refer from* Archaeology; Art; Bas-relief; Carving (art industries); Decoration and ornament; Esthetics; Iconography (s); Modeling; Monuments; Plaster casts; Statues; Stonecutting



**Scutage**

*See also* Feudalism

Sea *see* Ocean

Sea bathing *see* Baths and bathing

Sea coast defense *see* Coast defense

Sea fights *see* Naval battles

Sea fisheries *see* Fisheries

**Sea food**

*See also* Fish as food; Oysters

Sea kings *see* Northmen

**Sea level**

*See also* Altitudes

Sea life *see* Marine biology; Seafaring life

Sea mosses *see* Algae

Sea plants *see* Aquatic plants

**Sea power**

*See also* Disarmament; Naval art and science; Naval history; Navies; Warships; *also* names of countries, subhead Navy

**Sea serpents**

*See also* Animals, Mythical

**Sea stories****Sea walls**

*See also* Embankments

**Sea water****Seafaring life**

*See also* Sailors; Sea stories; Whaling

**Seals (animals)**

*See also* Carnivora; Fisheries — Alaska

**Seals (numismatics)**

*See also* Numismatics

Seamanship *see* Navigation

Seamen *see* Sailors

Seamen's missions *see* Missions — Seamen

**Search, Right of**

*See also* Maritime law; Neutrality

**Searchlights****Seashore**

*See also* Algae; Baths and bathing; Beaches; Coast changes; Dunes; Marine biology; Marine zoology; Ocean

**Seasickness****Seasons**

*See also* Autumn; Spring; Summer; Winter

Seat work in schools *see* Busy work

Seaweeds *see* Algae

**Secession**

*See also* Confederate States of America; Federal government; State rights; U. S. — History — Civil war

*Refer from* Escuage (s); Feudalism; Land tenure; Taxation

*Refer from* Fish as food; Food; Ocean

*Refer from* Altitudes; Ocean

*Refer from* Disarmament; Dominion of the sea (s); International relations; Maritime power (s); Military power (s); Naval art and science; Naval history; Naval power (s); Navies

*Refer from* Animals, Mythical; Delusions (s); Monsters

*Refer from* Fiction; Ocean; Sailors; Seafaring life

*Refer from* Embankments; Engineering; Hydraulic engineering; Ocean; Walls

*Refer from* Ocean; Salt; Water

*Refer from* Adventure; Marine life (s); Ocean life (s); Sailors; Sea life (s); Voyages and travels

*Refer from* Carnivora; Fisheries; Fisheries — Alaska; Fur-bearing animals; Fur seals (s); Mammals; Marine zoology

*Refer from* Archaeology; Heraldry; Inscriptions; Intaglios; Numismatics; Sigillography (s); Signets (s); Sphragistics (s)

*Refer from* International law; Maritime law; Neutrality; Privateering; Right of search (s)  
*Refer from* Electric lighting

*Refer from* Beaches; Marine zoology; Ocean; Physical geography; Shore (s)

*Refer from* Medicine — Practice; Naval hygiene; Ocean; Ocean travel

*Refer from* Astronomy; Autumn; Climate; Earth; Meteorology; Months; Nature; Spring; Summer; Winter; Year

*Refer from* Federal government; Government; State rights; U. S. — Constitution; U. S. — History — Civil war





**Second advent**

*See also* Christadelphians; Eschatology; Jesus Christ; Judgment day; Millennium; Second adventists

**Second adventists****Second sight**

*See also* Clairvoyance

Secondary batteries *see* Storage batteries

Secondary education *see* Education, Secondary

Secondary planets *see* Satellites

Secondary schools *see* Academies (schools); Education, Secondary; High schools

**Secret chambers****Secret service**

*See also* Detectives

**Secret societies**

*See also* Benefit societies; Boxers; Camorra; Carbonari; Fenians (society); Fraternities, College; Fraternities, High school; Freemasons; Grange; Hazing; Ku-Klux Klan; Mafia; Malta, Knights of; Nihilism; Odd Fellows; Rosicrucians; Templars

Secret writing *see* Ciphers

**Sectionalism****Sects**

*See also* Anabaptists; Baptists; Brownists; Catholic apostolic church; Catholic church; Christadelphians; Christian science; Christian union; Church of England; Church of Scotland; Congregationalism; Disciples of Christ; Dissenters; Dukhobors; Flagellants; Friends, Society of; German Baptist brethren; Harmonists; Huguenots; Hussites; Labadists; Lollards; Lutheran church; Mennonites; Methodist Episcopal church; Moravians; Mormons and Mormonism; Nestorians; New Jerusalem church; Plymouth brethren; Presbyterianism; Protestant Episcopal church in the U. S.; Reformed church in America; Salvation army; Sandemanians; Schwenkfelders; Second adventists; Separatist society of Zoar; Seventh-day Baptists; Shakers; Unitarianism; United brethren in Christ; Universalism; Waldenses; Wesleyan Methodist church

**Secularism**

*See also* Agnosticism; Utilitarianism

**Securities**

*See also* Bonds; Investments; Mortgages; Negotiable instruments; Stocks

**Sedan campaign, 1870**

*See also* Franco-German war

Sedimentary rocks *see* Rocks

**Sedimentation and deposition**

*See also* Erosion; Geology

*Refer from* Advent; Eschatology; Jesus Christ; Jesus Christ—Second advent (s); Judgment day; Millennium; Prophecies; Theology

*Refer from* Adventists (s); Millerites (s); Second advent; Sects

*Refer from* Divination; Occult sciences; Superstition

*Refer from* Architecture; England—Historic houses; Priests' holes (s)

*Refer from* Detectives; U. S.—History—Civil war; U. S.—Secret service (s)

*Refer from* Benefit societies; Fraternities, College; Societies

*Refer from* Politics; U. S.—Economic conditions; U. S.—Politics; U. S.—Social conditions

*Refer from* Belief; Christianity; Church history; Denominations, Religious (s); Faith; Protestantism; Religion; Religions; Religious denominations (s); Theology

*Refer from* Ethics; Free thought; Religion; Utilitarianism

*Refer from* Bonds; Capitalization (finance) (s); Dividends (s); Finance; Investments; Loans; Mortgages; Negotiable instruments; Promoting; Stocks

*Refer from* Franco-German war

*Refer from* Deposition (geology) (s); Erosion; Geology



Sedition act, 1798, *see* Alien and sedition laws, 1798

**Seedlings**

**Seeds**

*See also* Botany — Embryology; Germination

— **Adulteration and inspection**

— **Dispersal**

— **Distribution**

— **Inspection, *see* Seeds — Adulteration and inspection**

— **Selection and testing**

*See also* Seeds — Adulteration and inspection

Seismology *see* Earthquakes; Volcanoes

Selection, Natural, *see* Natural selection

**Self-control**

**Self-culture**

*See also* Books and reading; Conversation; Correspondence schools and courses; Education; Etiquet; Mental discipline; Study; Study clubs; University extension

**Self-denial**

Self-education *see* Self-culture

Self-government *see* Democracy; Home rule; Local government; Representative government and representation

**Self-government (in education)**

*See also* School city; Self-control

Self-help *see* Conduct of life; Self-culture;

Self-reliance; Success

Self-inductance *see* Inductance

Self-made men *see* Success

**Self-reliance**

**Self-respect**

**Selfishness**

*See also* Egoism; Hedonism

Selling *see* Sale; Salesmanship

**Seminary method**

*See also* Research

Semites *see* Semitic race

**Semitic languages**

*See also* Arabic language; Assyrian language; Hebrew language; Oriental languages

**Semitic race**

*See also* Arabs; Jews

Senate *see* under names of countries and states

**Senators**

— **U. S.**

— **Election**

Sensation *see* Senses and sensation

*Refer from* Botany; Gardening; Plants

*Refer from* Botany; Botany — Embryology; Botany, Structural; Germination; Plant propagation; Plants

*Refer from* Adulterations; Seeds — Inspection (s); Seeds — Selection and testing

*Refer from* Ecology; Geographical distribution of animals and plants

*Refer from* Distribution of seed by the government (s); Free seed distribution (s)

*Refer from* Agriculture; Gardening; Grain; Plant breeding

*Refer from* Conduct of life; Self-government (in education)

*Refer from* Conduct of life; Culture; Education; Home education; Mental discipline; Self-education (s); Self-help (s); Study; Young men; Young women

*Refer from* Conduct of life; Ethics

*Refer from* Colleges and universities; Education; Honor system (s); School city; School management; Student self-government (s)

*Refer from* Conduct of life; Self-help (s)

*Refer from* Conduct of life; Ethics

*Refer from* Conduct of life; Egoism; Ethics; Hedonism

*Refer from* Education; Research; Study; Teaching

*Refer from* Arabic language; Assyrian language; Hebrew language; Language; Oriental languages

*Refer from* Arabs; Ethnology; Jews; Semites (s)

*Refer from* Statesmen

*Refer from* U. S. — Congress; U. S. — Senate

*Refer from* Elections — U. S.; Popular election of senators (s)



**Senses and sensation**

*See also* Color sense; Hearing; Light; Muscular sense; Pain; Perception; Psychology; Psychology, Physiological; Reaction time; Sight; Smell; Sound; Space perception; Taste (sense); Touch

Sentence, Indeterminate, *see* Indeterminate sentence

**Separatist society of Zoar**

Separatists *see* Separatist society of Zoar

Separators, Cream, *see* Cream separators

**Sepia painting**

Sepoy rebellion, *see* Indian mutiny, 1857-1858

Sepulchers *see* Tombs

Sepulture *see* Burial

Seraglio *see* Harem

**Serfdom**

*See also* Feudalism; Peonage; Russia — History; Slavery; Villeinage

Sericulture *see* Silkworms

**Sermon on the mount**

*See also* Beatitudes; Bible — New Testament — Matthew

**Sermons**

*See also* Children's sermons; College sermons; Funeral sermons; Preaching

— Illustrative helps, *see* Anecdotes, Religious

— Outlines

**Serpent worship**

Serpents *see* Snakes

**Serum therapy**

*See also* Antitoxins; Immunity; Inoculation

**Servants**

*See also* Employment agencies; Indentured servants; Livery; Master and servant; Tipping; Waiters

Service-books *see* Liturgies

Settlements *see* Social settlements

**Seven wonders of the world****Seven years' war, 1756-1763**

*See also* Europe — History — 1492-1789; French and Indian war; Germany — History — 1740-1815; Prussia — History

Seventeen-year locusts *see* Cicadas

**Seventeenth century**

*See also* English literature — History and criticism — 17th century; History, Modern

**Seventh-day Baptists**

*See also* German Baptist brethren

**Sewage**

*See also* Filters and filtration; Sewerage; Water pollution

**Sewerage**

*See also* Plumbing; Sanitary engineering; Sewage; also names of cities, subhead Sewerage

*Refer from* Consciousness; Hearing; Intellect; Perception; Psychology; Psychology, Physiological; Sensation (s); Sight; Smell; Space perception; Taste (sense); Touch

*Refer from* Separatists (s); Sects; Zoar community (s); Zoarites (s)

*Refer from* Painting

*Refer from* Feudalism; Government; Slavery; Villeinage

*Refer from* Beatitudes; Bible; Bible — New Testament — Matthew; Jesus Christ — Teaching

*Refer from* Homiletics (s); Homilies (s); Literature; Preaching; Religion; Theology

*Refer from* Animal worship; Animism; Indians — Religion; Nature worship; Snake worship (s); Snakes; Worship

*Refer from* Antitoxins; Immunity; Inoculation; Organotherapy; Therapeutics

*Refer from* Domestic service (s); Domestic (s); Home economics; Housemaids (s); Labor and laboring classes; Master and servant; Waiters

*Refer from* History, Ancient; Wonders of the world (s)

*Refer from* Austria — History; England — History — 1714-1837; Europe — History — 1492-1789; France — History — Bourbons; French and Indian war; Germany — History — 1740-1815; Prussia — History; Sweden — History

*Refer from* Europe — History — 1492-1789; History, Modern

*Refer from* Baptists; Sabbatarians (s); Sects

*Refer from* Hygiene, Public; Refuse and refuse disposal; Sanitary chemistry; Sanitary engineering; Sanitation; Sewerage; Waste, Disposal of (s); Water pollution

*Refer from* Drainage; House drainage (s); Municipal engineering; Sanitary engineering; Sanitation; Sewage; Sewers (s)



Sewers *see* Sewerage  
Sewing *see* Needlework  
Sewing machines  
Sewing schools

*See also* Needlework

**Sex**

*See also* Hermaphroditism; Marriage;  
Puberty; Sexual ethics  
Sex worship *see* Phallicism

**Sextant**

*See also* Astronomical instruments; Surveying instruments

**Sexual ethics**

*See also* Adultery; Chastity; Illegitimacy; Marriage; Prostitution

**Shades and shadows**

*See also* Geometry, Descriptive; Perspective

**Shadow pantomimes**

Shadows *see* Shades and shadows

**Shaft sinking**

*See also* Boring; Mining engineering

**Shafting**

*See also* Belting; Power transmission; Pulleys

**Shakers**

**Shakespeare, William**

[These subheads may be used for other authors as needed]

—Actors, *see* Shakespeare — Stage presentation  
—Animal lore, *see* Shakespeare — Natural history  
—Authorship

—Bacon-Shakespeare controversy, *see* Shakespeare — Authorship

—Biblical knowledge, *see* Shakespeare — Learning; Shakespeare — Religion and ethics

—Bibliography

—Biography

—Botanical knowledge, *see* Shakespeare — Natural history

—Celebrations

—Characters

*See also* Shakespeare — Stage presentation

—Chronology

—Clubs, *see* Shakespeare — Societies

—Collier controversy, *see* Shakespeare — Textual criticism

—Commemorations, *see* Shakespeare — Celebrations

—Commentaries, *see* Shakespeare — Criticism

—Concordances

*Refer from* Machinery; Needlework

*Refer from* Needlework; Schools

*Refer from* Biology; Man; Marriage; Physiology; Women

*Refer from* Astronomical instruments; Surveying instruments

*Refer from* Adultery; Ethics; Ethics, Sexual (s); Marriage; Prostitution; Sex; Social purity (s)

*Refer from* Drawing; Geometry, Descriptive; Perspective; Shadows (s)

*Refer from* Amateur theatricals; Chinese shadows (s); Gallant shows (s); Pantomime; Puppet plays

*Refer from* Boring; Mines and mineral resources; Mining engineering

*Refer from* Belting; Machinery; Power transmission; Pulleys

*Refer from* Communism; Millennial church (s); Sects; Socialism; United society of believers (s)

*Refer from* Bacon-Shakespeare controversy (s); Shakespeare — Bacon-Shakespeare controversy (s); Shakespeare-Bacon controversy (s)

*Refer from* Shakespeare — Editions (s)

*Refer from* Shakespeare — Commemorations (s)

*Refer from* Shakespeare — Fools (s); Shakespeare — Heroines (s); Shakespeare — Women (s)

*Refer from* Shakespeare — Indexes (s)





**Shakespeare, William** — Continued  
**—Contemporary England**

- **Criticism** [including commentaries without text; criticism of a single play follows its text]  
*See also* Shakespeare — Textual criticism
- **Cyclopedias**, *see* Shakespeare — Dictionaries
- **Dictionaries**
- **Editions**, *see* Shakespeare — Bibliography
- **England in Shakespeare's time**, *see* Shakespeare — Contemporary England
- **Environment**, *see* Shakespeare — Contemporary England
- **Ethics**, *see* Shakespeare — Religion and ethics
- **Fiction** [about]
- **Folklore and mythology**
- **Fools**, *see* Shakespeare — Characters
- **Forgeries**
- **Grammar**, *see* Shakespeare — Language, pronunciation and versification
- **Heroines**, *see* Shakespeare — Characters
- **Home**  
*See also* Stratford-upon-Avon
- **Humor**
- **Illustrations**
- **Indexes**, *see* Shakespeare — Concordances
- **Ireland forgeries**, *see* Shakespeare — Forgeries
- **Knowledge**, *see* Shakespeare — Learning
- **Language, pronunciation and versification**
- **Learning**  
*See also* Shakespeare — Folklore and mythology; Shakespeare — Natural history; Shakespeare — Sources
- **Legal knowledge**, *see* Shakespeare — Learning
- **Medical knowledge**, *see* Shakespeare — Learning
- **Miscellaneous**
- **Monuments**
- **Music**
- **Mythology**, *see* Shakespeare — Folklore and mythology
- **Name**
- **Natural history**
- **Periodicals**
- **Philosophy**  
*See also* Shakespeare — Religion and ethics

*Refer from* Elizabethan age (s); England — History — Elizabethan period; England — Social life and customs; Shakespeare — England in Shakespeare's time (s); Shakespeare — Environment (s)

*Refer from* Shakespeare — Commentaries (s)

*Refer from* Shakespeare — Cyclopedias (s)

*Refer from* Shakespeare — Learning; Shakespeare — Mythology (s)

*Refer from* Literary forgeries and mystifications; Shakespeare — Ireland forgeries (s)

*Refer from* Stratford-upon-Avon

*Refer from* Shakespeare — Wit and humor (s)

*Refer from* Shakespeare — Pictures (s)

*Refer from* Shakespeare — Grammar (s); Shakespeare — Pronunciation (s); Shakespeare — Rhetoric (s); Shakespeare — Textual criticism; Shakespeare — Versification (s)

*Refer from* Shakespeare — Biblical knowledge (s); Shakespeare — Knowledge (s); Shakespeare — Legal knowledge (s); Shakespeare — Medical knowledge (s); Shakespeare — Sources

*Refer from* Shakespeare — Animal lore (s); Shakespeare — Botanical knowledge (s); Shakespeare — Learning; Shakespeare — Plant lore (s)



**Shakespeare, William**—Continued

- Pictures, *see* Shakespeare — Illustrations; Shakespeare — Portraits
- Plant lore, *see* Shakespeare — Natural history

—Plots

*See also* Shakespeare — Sources

—Poetry [about]

—Portraits

- Pronunciation, *see* Shakespeare — Language, pronunciation and versification

—Religion and ethics

- Rhetoric, *see* Shakespeare — Language, pronunciation and versification

—Societies

—Sources

*See also* Shakespeare — Learning; Shakespeare — Plots

—Stage presentation

—Stories

—Study and teaching

- Tales from Shakespeare, *see* Shakespeare — Stories

—Textual criticism

*See also* Shakespeare — Language, pronunciation and versification

- Theology, *see* Shakespeare — Religion and ethics

- Versification, *see* Shakespeare — Language, pronunciation and versification

- Wit and humor, *see* Shakespeare — Humor

- Women, *see* Shakespeare — Characters

Shakespeare-Bacon controversy *see* Shakespeare — Authorship

**Shawls**

**Shay's rebellion, 1786-1787**

*See also* Massachusetts — History

**Sheep**

*See also* Feeding and feeding stuffs; Live stock; Ungulata; Veterinary medicine; Wool

**Sheet-metal work**

*See also* Brass; Copper; Dies; Metal work; Punching machinery; Tin; Tinsmithing; Zinc

**Shell money**

*See also* Wampum

Shell mounds *see* Kitchen middens

Shells (conchology) *see* Mollusks

Shells (explosives) *see* Projectiles

**Shellwork**

**Shelving (for books)**

**Sheriffs**

*See also* Arrest

**Shinto**

*See also* Ancestor worship; Japan — Religion

*Refer from* Plots (drama, novel, etc.); Shakespeare — Sources

*Refer from* Shakespeare — Pictures (s)

*Refer from* Shakespeare — Biblical knowledge (s); Shakespeare — Ethics (s); Shakespeare — Philosophy; Shakespeare — Theology (s)

*Refer from* Shakespeare — Clubs (s)

*Refer from* Shakespeare — Learning; Shakespeare — Plots

*Refer from* Shakespeare — Actors (s); Shakespeare — Characters; Theater

*Refer from* Shakespeare — Tales from Shakespeare (s)

*Refer from* Shakespeare — Collier controversy (s); Shakespeare — Criticism

*Refer from* Costume; Textile industry and fabrics

*Refer from* Massachusetts — History

*Refer from* Domestic animals; Live stock; Ungulata; Veterinary medicine; Wool

*Refer from* Dies; Machine shop practice; Metal work; Tinsmithing

*Refer from* Indians; Money; Wampum

*Refer from* Arts and crafts

*Refer from* Bookshelves (s); Book stacks (s); Bookcases (s); Books; Libraries; Library architecture; Library fittings and supplies; Stacks (for books) (s)

*Refer from* Arrest; County officers; Law

*Refer from* Ancestor worship; Japan — Religion; Religions



Ship-building *see* Shipbuilding

**Ship canals**

*See also* Panama canal

Ship fever *see* Typhus fever

**Ship railroads**

Ship subsidies *see* Subsidies

**Shipbuilding**

*See also* Armored vessels; Boats and boating; Bulkheads; Launching; Marine engines; Motor boats; Propellers; Ships; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

**Shipping**

*See also* Carriers; Commerce; Maritime law; Salvage; Shipbuilding; Ships; Steamboats; Subsidies; Transportation

—U. S.

Shipping subsidies *see* Subsidies

Shippo *see* Cloisonné

**Ships**

*See also* Anchors; Armored vessels; Boats and boating; Galleys; Ice-breaking vessels; Launching; Naval art and science; Navies; Navigation; Propellers; Sailing; Sailors; Sails; Shipbuilding; Shipping; Shipwrecks; Steam navigation; Steamboats; Submarine boats; Torpedo boats; Warships; Yachts and yachting

**Shipwrecks**

*See also* Castaways; Collisions at sea; Life-saving; Lifeboats; Salvage; Wrecking

**Shoemakers**

Shoes *see* Boots and shoes

**Shooting**

*See also* Archery; Ballistics; Firearms; Game; Game birds; Gunnery; Guns; Hunting; Rifle practice; Rifles; Sports; Target practice

Shooting stars *see* Meteors

Shop management *see* Machine shop management; Scientific management

Shop practice *see* Machine shop practice

Shop window decoration *see* Window dressing

Shoplifting *see* Larceny

Shops *see* Machine shops; Railroads — Shops

Shore *see* Seashore

**Shoring and underpinning**

*See also* Building; Foundations

Short ballot *see* Ballot

Short-sightedness *see* Myopia

**Short stories**

*See also* Fiction

**Shorthand**

*See also* Abbreviations; Writing

Shot-guns *see* Shotguns

**Shotguns**

*Refer from* Canals; Interoceanic canals (s); Panama canal

*Refer from* Railroads

*Refer from* Architecture, Naval (s); Boat building (s); Bulkheads; Industrial arts; Marine architecture (s); Marine engineering; Naval architecture (s); Naval art and science; Navigation; Ship-building (s); Shipping; Ships; Steamboats; Vessels (s)

*Refer from* Carriers; Commerce; Maritime law; Mercantile marine (s); Merchant marine (s); Navigation; Ships; Steamboats; Transportation; Vessels (s)

*Refer from* U. S.—Commerce; U. S.—Merchant marine (s); U. S.—Shipping (s)

*Refer from* Boats and boating; Fleets (s); Navigation; Ocean; Shipbuilding; Shipping; Vessels (s)

*Refer from* Accidents; Adventure; Castaways; Collisions at sea; Disasters; Life-saving; Navigation; Ocean; Ships; Wrecks (s)

*Refer from* Biography; Boots and shoes

*Refer from* Ballistics; Firearms; Game; Game birds; Gunnery; Gunning (s); Guns; Hunting; Rifles; Sports

*Refer from* Building; Foundations; Scaffolding; Underpinning (s)

*Refer from* Authorship; Fiction; Literature; Stories (s)

*Refer from* Abbreviations; Brachygraphy (s); Business education; Phonography (s); Reporting; Signs; Stenography (s); Tachygraphy (s); Takigraphy (s); Writing

*Refer from* Firearms; Guns; Shot-guns (s)



**Show cards**

Show windows *see* Window dressing

**Shrines**

*See also* Holy wells; Miracles; Pilgrimages; Relics

**Shrubs**

*See also* Botany; Gardening; Hedges; Landscape gardening; Topiary work; Trees

**Siberia — Exiles****Sicilian vespers**

Sick, The, *see* Invalids

Sidereal system *see* Stars

**Sidewalks**

*See also* Pavements

**Sieges**

*See also* Battles; Fortification; Military art and science; Mines, Military

**Sight**

*See also* Astigmatism; Blind; Color blindness; Color sense; Eye; Myopia; Optical illusions; Senses and sensation; Spectacles

**Sight reading**

*See also* Tonic sol-fa

Sigillography *see* Seals (numismatics)

Sign boards *see* Sign painting; Signs

**Sign language**

*See also* Ciphers; Deaf and dumb; Pantomime

**Sign painting**

*See also* Lettering; Painting, Mechanical; Signs

**Signals**

*See also* Beacons; Bugle calls; Fire alarms; Flags; Fog signals; Railroads — Signals; Telegraph; Wireless telegraphy

Signatures *see* Autographs

Signboards *see* Sign painting; Signs

Signers of the Declaration of independence *see* Declaration of independence — Signers

Signets *see* Seals (numismatics)

**Signs**

*See also* Shorthand; Sign language; Sign painting; Signals

Signs (omens) *see* Omens

**Sikhs**

*See also* India — History

Silage *see* Ensilage

**Silhouettes****Silk**

*See also* Silkworms; Textile industry and fabrics

**Silkworms**

Silos *see* Ensilage

Silurian period *see* Geology, Stratigraphic — Silurian; Paleontology — Silurian

**Silver**

*See also* Cyanide process; Precious metals; Silver (as money); Silver mines and mining; Silversmithing; Silverware

*Refer from* Advertising

*Refer from* Catholic church; Christian antiquities; Church furniture; Holy wells; Miracles; Pilgrimages; Relics; Saints

*Refer from* Botany; Gardening; Hedges; Landscape gardening; Plants

*Refer from* Crime and criminals — Russia; Exile; Penal colonies; Prisons — Russia

*Refer from* Massacres; Sicily — History

*Refer from* Pavements; Roads; Streets

*Refer from* Battles; History; Military art and science; Military history; War

*Refer from* Eye; Light; Optics, Physiological (s); Perception; Senses and sensation; Vision (s)

*Refer from* Music; Music — Instruction and study; Singing and voice culture

*Refer from* Deaf and dumb; Gesture; Language; Signs

*Refer from* Advertising; Lettering; Painting, Mechanical; Sign boards (s); Signboards (s); Signs

*Refer from* Collisions at sea; Flags; Military art and science; Naval art and science; Navigation; Signs

*Refer from* Advertising; Business; Municipal improvement; Sign boards (s); Sign painting; Signboards (s)

*Refer from* India — History; India — Religion; Religions

*Refer from* Art; Drawing

*Refer from* Animal products; Fibers; Textile industry and fabrics; Yarn

*Refer from* Cocoons; Moths; Sericulture (s); Silk

*Refer from* Precious metals





**Silver (as money)**

*See also* Bimetallism; Coinage; Money

**Silver mines and mining**

Silver-plating *see* Electroplating; Plating

Silver question *see* Money — U. S.; Silver (as money)

Silverplating *see* Electroplating; Plating

**Silversmithing**

*See also* Arts and crafts; Hall marks; Jewelry; Metal coloring; Plate; Silverware

**Silverware**

*See also* Hall marks; Plate; Silversmithing

Silviculture *see* Forests and forestry; Trees

**Simony****Simple life**

*See also* Country life; Leisure

Simplified spelling *see* Spelling reform

**Sin**

*See also* Absolution; Christian ethics; Confession; Crime and criminals; Depravity; Evil; Fall of man; Future punishment; Predestination; Repentance; Salvation; Temptation

**Sincerity**

*See also* Honesty; Truth

**Singers**

*See also* Musicians

**Singing and voice culture**

*See also* Breathing; Chanting; Choirs; Choral societies; Music; Musical accompaniment; School music; Sight reading; Singers; Songs; Tonic sol-fa; Voice

Singing societies *see* Choral societies

Single rail *see* Railroads — Single rail

**Single tax**

*See also* Land nationalization; Land tenure; Physiocrats

**Sinking funds**

Sirups *see* Syrups

**Sisterhoods**

*See also* Carmelites; Convents and nunneries; Deaconesses; Nuns; Religious orders; Sisters of charity; Ursulines

**Sisters of charity**

Six nations *see* Iroquois Indians

**Sixteenth century**

*See also* History, Modern

**Skat**

*See also* Cards

**Skating**

*See also* Roller-skating; Winter sports

*Refer from* Bimetallism; Campaign literature; Coinage; Demonetization of silver (s); Finance; Free coinage of silver (s); Money; Resumption of specie payment (s); Silver; Silver question (s); Specie (s); Specie payment (s)

*Refer from* Mines and mineral resources; Silver

*Refer from* Arts and crafts; Jewelry; Metal coloring; Metal work; Plate; Silver; Silverware

*Refer from* Hall marks; Plate; Silver; Silversmithing

*Refer from* Church discipline; Church law

*Refer from* Conduct of life; Country life

*Refer from* Christian ethics; Confession; Depravity; Ethics; Evil; Fall of man; Original sin (s); Religion; Temptation; Theology; Total depravity (s)

*Refer from* Ethics; Honesty; Truth

*Refer from* Musicians; Prima donnas (s); Singing and voice culture; Vocalists (s); Women

*Refer from* Breathing; Chanting; Choirs; Elocution; Music; Music — Instruction and study; Songs; Vocal culture (s); Vocal music (s); Voice; Voice culture (s)

*Refer from* Betterments (s); Land; Land nationalization; Land tenure; Real estate; Taxation

*Refer from* Debts, Public; Finance; Funds (s)

*Refer from* Catholic church; Charities; Church history; Church of England; Church polity; Monasticism; Nuns; Protestant Episcopal church in the U. S.; Religious orders; Women

*Refer from* Charities; Charity, Sisters of (s); Nuns; Nurses and nursing; Sisterhoods

*Refer from* Europe — History — 1492-1789; History, Modern

*Refer from* Cards

*Refer from* Athletics; Ice; Locomotion; Sports; Winter sports



**Skees and skee-running**

*See also* Winter sports

**Skeleton**

*See also* Anatomy; Anatomy, Comparative; Bones; Skull; Spine

**Skepticism**

*See also* Agnosticism; Atheism; Deism; Free thought; Materialism; Pantheism; Rationalism

Sketching *see* Drawing; Painting

Skiagraphs *see* Radiography

Skiing *see* Skees and skee-running

**Skin**

*See also* Anatomy; Color of man; Skin grafting; Smallpox

**—Diseases**

*See also* Leprosy; Pellagra

**Skin grafting**

Skins *see* Hides and skins

**Skipjacks**

Skis *see* Skees and skee-running

**Skull**

*See also* Brain; Head; Skeleton; Trephining

Sky *see* Astronomy; Meteorology

Sky-scrapers *see* High buildings

**Skylights**

Skyscrapers *see* High buildings

**Slag**

*See also* Blast furnaces; Cement

Slander *see* Libel and slander

**Slang**

*See also* Americanisms; Briticisms

**Slate**

Slate writing *see* Spiritualism

**Slaughtering and slaughterhouses**

*See also* Meat; Meat inspection; Packing industry

**Slave trade**

*See also* Kidnapping; Slavery

**Slavery**

*See also* Africa — Colonization; Freedmen; Galleys; Indentured servants; Negroes; Peonage; Redemptioners; Serfdom; Slave trade

**Slavery in the U. S.**

*See also* Abolitionists; Free soil party; Freedmen; Fugitive slaves; Kansas — History; Kansas-Nebraska bill; Mason and Dixon's line; Missouri compromise; Negroes; Southern states; Underground railroad (slavery)

**Slavic languages**

*See also* Aryan languages; Bohemian language; Polish language; Russian language

*Refer from* Skiing (s); Skis (s); Sports; Winter sports

*Refer from* Anatomy; Anatomy, Comparative; Anthropology; Bones; Skull; Spine

*Refer from* Agnosticism; Atheism; Belief; Deism; Doubt (s); Faith; Free thought; Infidelity (s); Philosophy; Religion; Scepticism (s); Theology; Unbelief (s)

*Refer from* Absorption (physiology); Anatomy; Beauty, Personal; Dermatology (s); Pigmentation (s)

*Refer from* Cutaneous diseases (s); Medicine — Practice

*Refer from* Skin; Surgery

*Refer from* Boats and boating; Sailing

*Refer from* Bones; Craniology (s); Ethnology; Head; Skeleton

*Refer from* Building; Roofs; Windows

*Refer from* Blast furnaces; Iron; Metals; Waste products

*Refer from* Argot (s); Dialects; English language; Language; Manners and customs

*Refer from* Building stones; Rocks; Roofs

*Refer from* Abattoirs (s); Butchering (s); Hygiene, Public; Markets; Meat; Meat inspection; Packing industry

*Refer from* African slave trade (s); Kidnapping; Negroes; Slavery

*Refer from* Abolition of slavery (s); Anti-slavery (s); Emancipation (s); Ethics; Freedmen; Freedom (s); Government; History; Labor and laboring classes; Liberty; Negroes; Serfdom; Slave trade; Sociology

*Refer from* Abolition of slavery (s); Abolitionists; Free soil party; Negroes; Southern states; U. S.—History; U. S.—History—Civil war; U. S.—Slavery (s)

*Refer from* Aryan languages; Bohemian language; Polish language; Russian language



**Slavic literature**

*See also* Bohemian literature; Polish literature; Russian literature

Slavic mythology *see* Mythology, Slavic

Slavic race *see* Slavs

Slavonic *see* Slavic

**Slavs**

*See also* Aryans; Czechs; Ethnology — Russia; Pan Slavism; Poles (Polanders)

**Slavs in the U. S.**

*See also* Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.

**Sleep**

*See also* Dreams; Hypnotism; Insomnia; Nightmare; Somnambulism; Subconsciousness

Sleep-walking *see* Somnambulism

**Sleeping cars****Sleeping sickness**

*See also* Tsetse flies

Sleeplessness *see* Insomnia

Sleepwalking *see* Somnambulism

Sleight of hand *see* Conjuring

**Slide rule**

Slide valves *see* Valves and valve gears

Sloyd *see* Manual training; Woodwork

Sloth *see* Idleness

Sloyd *see* Manual training; Woodwork

Slumber songs *see* Lullabies

**Slums**

*See also* Poor; Tenement houses

Small arms *see* Firearms

Small fruit *see* Berries; Fruit

**Smallpox**

*See also* Inoculation; Vaccination; Varioloid

**Smell**

*See also* Nose; Senses and sensation

**Smelting**

*See also* Blast furnaces; Electrometallurgy; Furnaces; Metallurgy; Ore treatment

**Smoke**

*See also* Fuel; Fumigation; Mechanical draft

Smokeless powder *see* Gunpowder

**Smoking**

*See also* Cigarettes; Cigars; Pipes, Tobacco; Tobacco; Tobacco — Physiological effects

**Smuggling****Snake dance**

*See also* Indians — Dances

Snake venom *see* Venom

*Refer from* Bohemian literature; Literature; Polish literature; Russian literature

*Refer from* Aryans; Czechs; Ethnology — Europe; Ethnology — Russia; Poles (Polanders); Slavic race (s)

*Refer from* Bohemians in the U. S.; Poles in the U. S.; Russians in the U. S.; U. S. — Foreign population

*Refer from* Brain; Dreams; Hygiene; Insomnia; Night; Physiology; Psychology; Rest; Somnambulism; Subconsciousness

*Refer from* Cars; Railroads — Rolling stock

*Refer from* Insects as carriers of contagion; Medicine — Practice; Tropics — Diseases and hygiene; Tsetse flies

*Refer from* Calculating machines; Carpentry; Logarithms; Mathematical instruments; Measuring instruments

*Refer from* Cities; Poor; Social problems; Tenement houses

*Refer from* Contagion and contagious diseases; Epidemics; Inoculation; Medicine — Practice; Skin; Vaccination; Variola (s); Varioloid

*Refer from* Nose; Odors; Senses and sensation

*Refer from* Furnaces; Metallurgy; Metals; Ore treatment

*Refer from* Air pollution; Chimneys; Combustion; Fire; Fuel; Mechanical draft; Municipal improvement; Nuisances; Sanitary chemistry; Sanitation

*Refer from* Cigarettes; Cigars; Pipes, Tobacco; Temperance; Tobacco; Tobacco — Physiological effects

*Refer from* Commerce; Crime and criminals; Tariff

*Refer from* Indians — Dances



Snake worship *see* Serpent worship

**Snakes**

*See also* Reptiles; Serpent worship; Venom

**Snow**

*See also* Avalanches; Ice; Meteorology

**Snuff**

**Soap**

*See also* Chemistry, Technical

**Soap bubbles**

Sobriquets *see* Nicknames; Pseudonyms

Sociables *see* Church entertainments; Entertainments

**Social centers**

*See also* Playgrounds; Social settlements

Social classes *see* Class distinction

Social compact *see* Social contract

Social conditions *see* Civilization; Social problems; Sociology; *also* names of countries and cities, subhead Social conditions

**Social contract**

Social democracy *see* Socialism

**Social ethics**

*See also* Christian ethics; Christian sociology; Leisure class; Political ethics; Social problems, and references under that subject; State ethics; Wealth

Social evil *see* Prostitution

Social life and customs *see* Manners and customs; Society; *also* names of countries and cities, subhead Social life and customs

Social pathology *see* Social problems

**Social problems**

*See also* Charities; Child labor; Christian sociology; Cost of living; Crime and criminals; Defectives; Divorce; Education; Eugenics; Family; Housing problem; Hygiene, Public; Immigration and emigration; Juvenile delinquency; Labor and laboring classes; Liquor problem; Marriage; Municipal government; Poor; Prostitution; Race problems; Reform; Slums; Social ethics; Social work; Socialism; Unemployed; War

**Social psychology**

*See also* Crowds; Ethnopsychology; Fashion; National characteristics; Public opinion

Social purity *see* Sexual ethics

Social reform *see* Reform; Social problems

Social science *see* Civilization; Economics; Government; Sociology

Social service *see* Social work

**Social settlements**

*See also* Boys' clubs; City missions; Friendly visiting; Mothers' clubs; Neighborhood guilds; Neighborhood improvement; Poor; Social work

**Social work**

*See also* Charities; Christian sociology; Discharged prisoners; Friendly visiting; Industrial betterment; Social centers; Social problems; Social settlements

*Refer from* Reptiles; Ophidia (s); Serpents (s)

*Refer from* Meteorology; Storms; Water  
*Refer from* Tobacco

*Refer from* Chemistry, Technical; Cleaning; Manufactures

*Refer from* Amusements; Bubbles, Soap (s); Liquids; Physics

*Refer from* People's palaces (s); Recreation centers (s); Schoolhouses; Social work

*Refer from* Government; Law; Social compact (s); Sociology; Sovereignty

*Refer from* Christian ethics; Christian sociology; Ethics; Ethics, Social (s); Religion and sociology (s); Social problems; Sociology; State ethics

*Refer from* Christian sociology; Civilization; Ethics; Reform; Social conditions (s); Social ethics; Social pathology (s); Social reform (s); Social work; Sociology

*Refer from* Crowds; Ethnopsychology; Psychology; Psychology, Comparative; Psychology, Social (s); Sociology

*Refer from* Charities; Church settlements (s); Church work; College settlements (s); Neighborhood work (s); Philanthropy; Poor; Settlements (s); Social centers; Social work; Sociology; University settlements (s)

*Refer from* Charities; Christian sociology; Philanthropy; Social problems; Social service (s); Social settlements





## **Socialism**

*See also* Christian socialism; Communism; Cooperation; Economic determinism; Economics; Equality; Government ownership; Individualism; Land nationalization; Paternalism; Shakers; Socialism and Catholic church; Socialism and Christianity; Utopias

—Christian, *see* Christian socialism

## **Socialism and Catholic church**

*See also* Socialism and Christianity

## **Socialism and Christianity**

*See also* Socialism and Catholic church

Socialistic communities *see* Communism; *also* names of communities

Socialistic utopias *see* Utopias

Socials *see* Church entertainments; Entertainments

## **Societies**

*See also* Agricultural societies; Antiquarian societies; Art societies; Benefit societies; Bible societies; Botanical societies; Charitable societies; Clubs; Corporations; Educational associations; Fraternities, College; Fraternities, High school; Geographical societies; Gilds; Historical societies; Humane societies; Insignia; Labor unions; Learned societies; Literary societies; Medical societies; Missionary societies; Musical societies; Patriotic societies; Scientific societies; Secret societies; Tract societies; Typographical societies; *also* names of societies

## **Society** [for society life, not sociology]

*See also* Class distinction; Conversation; Courts and courtiers; Entertaining; Etiquet; Salons; Sociology; Solitude; *also* names of countries and cities, subhead Social life and customs

## **Primitive**

*See also* Clans; Industries, Primitive; Savages; Tribes and tribal system; Village communities

Society of Friends *see* Friends, Society of

Society of Jesus *see* Jesuits

## **Socinianism**

*See also* Arianism; Trinity; Unitarianism

## **Sociology**

*See also* Altruism; Anarchism and anarchists; Anthropology; Caste; Charities; Children; Christian socialism; Christian sociology; Christianity; Cities; Civilization; Class distinction; Colonies and colonization; Communism; Cooperation; Crime and criminals; Crowds; Defectives; Divorce; Economics; Education; Equality; Ethics; Ethnopsychology; Eugenics; Evolution; Family; Feudalism; Gilds; Government;

*Refer from* Collectivism (s); Communism; Cooperation; Democracy; Economic determinism; Economics; Equality; Government; Government ownership; Individualism; Labor and laboring classes; Land nationalization; Nationalism (s); Paternalism; Property; Social democracy (s); Social problems; Sociology; State socialism (s); Utopias

*Refer from* Catholic church — Social relations; Catholic church and socialism (s); Church and state; Socialism; Socialism and Christianity

*Refer from* Christianity; Christianity and socialism (s); Church and state; Socialism; Socialism and Catholic church

*Refer from* Associations (s); Clubs; Sociology

*Refer from* Etiquet; Manners and customs; Social life and customs (s); Sociology

*Refer from* Anthropology; Civilization; Clans; Ethnology; Government; Industries, Primitive; Primitive society (s); Savages; Sociology; Tribes and tribal system

*Refer from* Arianism; Humanitarianism (theology) (s); Jesus Christ; Jesus Christ — Divinity; Theology; Trinity; Unitarianism

*Refer from* Anthropology; Civilization; Ethics; Government; History; Labor and laboring classes; Man; People; Science; Social conditions (s); Social science (s); Society



## **Sociology — Continued**

Immigration and emigration; Individualism; Industry; Insurance; Labor and laboring classes; Law; Leisure class; Man; Manners and customs; Marriage; Peace; People; Poor; Population; Prisons; Progress; Property; Punishment; Race problems; Religion; Savages; Slavery; Social contract; Social ethics; Social problems; Social psychology; Social settlements; Socialism; Societies; Society; Society, Primitive; Statistics; Temperance; Theology; Utopias; War; Women; *also* names of countries and cities, subhead Social conditions

—Christian, *see* Christian sociology

## **Soil absorption**

*See also* Soil moisture

## **Soil bacteriology**

*See also* Bacteriology, Agricultural; Nitrication; Soil inoculation

## **Soil fertility**

*See also* Fertilizers and manures; Rotation of crops

## **Soil inoculation**

*See also* Nitrification; Soil bacteriology

## **Soil moisture**

*See also* Agricultural physics; Drainage; Soil absorption

## **Soil surveys**

Soiling crops *see* Feeding and feeding stuffs

## **Soils**

*See also* Agricultural chemistry; Agricultural physics; Agriculture; Alkali lands; Alluvium; Bacteriology, Agricultural; Clay; Drainage; Fertilizers and manures; Irrigation; Nitrification; Soil absorption; Soil bacteriology; Soil fertility; Soil inoculation; Soil moisture; Soil surveys; Tillage

Sol-fa system *see* Tonic sol-fa

Solar eclipses *see* Eclipses

Solar engines *see* Solar motors

Solar heat *see* Sun

## **Solar motors**

Solar parallax *see* Parallax

Solar physics *see* Astronomy; Astrophysics; Sun

Solar spectrum *see* Spectra

## **Solar system**

*See also* Asteroids; Astronomy; Meteoritic hypothesis; Nebular hypothesis; Planetsimal hypothesis; Planets [and their names]; Sun

## **Solder and soldering**

*See also* Alloys; Welding

## **Soldiers**

*See also* Armies; Army life; Mercenary troops; Military art and science; Military biography; Pensions; Soldiers' homes; Soldiers' monuments

*Refer from* Absorption in soils (s); Agricultural physics; Soil moisture; Soils

*Refer from* Bacteriology; Bacteriology, Agricultural; Nitrification; Nitrifying bacteria (s); Soil inoculation; Soils

*Refer from* Agriculture; Fertility (s); Soils

*Refer from* Agriculture; Fertilizers and manures; Inoculation of soils (s); Legume inoculation (s); Nitrification; Soil bacteriology; Soils

*Refer from* Agricultural physics; Moisture of soils (s); Soil absorption; Soils; Water, Underground

*Refer from* Agriculture; Soils; Surveys (s)

*Refer from* Agricultural chemistry; Agricultural physics; Agriculture; Geology; Geology, Economic; Mold, Vegetable (s); Tillage; Vegetable mold (s)

*Refer from* Motors; Solar engines (s); Sun

*Refer from* Astronomy; Planets; Sun

*Refer from* Alloys; Brazing (s); Metal work; Metals; Plumbing; Welding

*Refer from* Armies; Army life; Military art and science; Military biography



**Soldiers' homes**

**Soldiers' monuments**

Solicitors *see* Lawyers

Solid geometry *see* Geometry

**Solids**

**Solitaire**

**Solitude**

*See also* Hermits

Soluble ferments *see* Enzymes

**Solution (chemistry)**

*See also* Boiling points; Chemistry; Chemistry, Physical; Colloids; Electrolysis; Ions; Osmosis

**Somnambulism**

*See also* Dreams; Hypnotism; Sleep

**Sonatas**

*See also* Musical form

Song of birds *see* Birds — Song

**Songs**

*See also* Anthems; Ballads; Campaign songs; Carols; Children's songs; Choruses and part songs; Church music; College songs; Drinking songs; Duets, Vocal; Folk songs; Glee; Hymns; Kindergarten — Games and songs; Lullabies; Lyric poetry; National songs; Negro songs; Sailors' songs; School music; Singing and voice culture; War songs

— **American**

*See also* Ballads, American; Campaign songs; Indians — Music; National songs; Negro songs; Songs, English

— **English**

*See also* Ballads, English; Songs, American; Songs, Irish; Songs, Scottish

— **Irish**

*See also* Ballads, Irish

— **Scores**

*See also* references under Songs

— **Scottish**

*See also* Ballads, Scottish

**Sonnets**

*See also* Lyric poetry

— **American**

*See also* American poetry; Sonnets, English

— **English**

*See also* English poetry; Sonnets, American

**Sophists**

*See also* Philosophy, Greek

Sorcery *see* Witchcraft

Sore throat *see* Throat

**Sorghum**

*See also* Molasses; Sugar

*Refer from* Homes (institutions) (s); Homes for the aged; Pensions; Soldiers

*Refer from* Monuments; Soldiers

*Refer from* Matter; Physics

*Refer from* Cards; Games; Patience (game) (s)

*Refer from* Conduct of life; Society

*Refer from* Chemistry; Chemistry, Physical; Fluids; Ions; Liquids; Osmosis

*Refer from* Dreams; Hypnotism; Medicine — Practice; Night; Psychology; Sleep; Sleepwalking (s); Sleepwalking (s)

*Refer from* Instrumental music; Music; Music — Scores; Musical form; Piano music; Piano music — Scores

*Refer from* Ballads; Carols; Folk songs; Glee; Lyric poetry; Music; Poetry; Singing and voice culture; Vocal music (s)

*Refer from* American poetry; American songs (s); Ballads, American; Music — U. S.; Songs, English

*Refer from* Ballads, English; English poetry; English songs (s); Music — England; Songs, American

*Refer from* Ballads, Irish; Irish poetry; Irish songs (s); Music — Ireland; Songs, English

*Refer from* Music — Scores

*Refer from* Ballads, Scottish; Music — Scotland; Scottish poetry; Scottish songs (s); Songs, English

*Refer from* Lyric poetry; Poetry

*Refer from* American literature; American poetry; American sonnets (s); Sonnets, English

*Refer from* English literature; English poetry; English sonnets (s); Sonnets, American

*Refer from* Philosophy; Philosophy, Greek

*Refer from* Forage plants; Molasses; Sugar



Soteriology *see* Salvation

Soubriquets *see* Nicknames; Pseudonyms

Soul

*See also* Animal intelligence; Animism; Future life; Personality; Preëxistence; Psychology; Spiritual life; Transmigration

*Refer from* Animism; Dualism; Ethics; Future life; Man; Materialism; Metaphysics; Personality; Philosophy; Preëxistence; Psychology; Salvation; Spirit (s); Theology; Transmigration

Sound

*See also* Acoustics of buildings; Ear; Hearing; Music; Noise; Phonetics; Phonograph; Physics; Radiation; Telephone; Voice

*Refer from* Acoustics (s); Ear; Music; Noise; Physics; Radiation; Senses and sensation; Vibration; Voice; Waves

Sounding and soundings

*Refer from* Deep-sea sounding (s); Hydrography; Navigation; Ocean

Soup

*See also* Cookery

*Refer from* Cookery

South (U. S.) *see* Southern states

South African war, 1899-1902

*See also* Jameson's raid, 1895-1896; Transvaal

*Refer from* Anglo-Boer war (s); Boer war, 1899-1902 (s); Boers; Concentration camps; England — History — Victorian period; England — History — 1901-; Transvaal

South pole

*See also* Antarctic regions

*Refer from* Antarctic regions; Earth; Polar regions (s)

Southern states

*See also* Confederate States of America; Creoles; Ku-Klux Klan; Mountaineers of the South; Negroes; Reconstruction; Slavery in the U. S.; Southwestern states; U. S. — History — Civil war; *also* names of states

*Refer from* Negroes; Reconstruction; Slavery in the U. S.; South (U. S.) (s)

Southwest (U. S.) *see* Southwestern states

Southwestern states

*See also* Santa Fé trail; Western states; *also* names of states

*Refer from* Southern states; Southwest (U. S.) (s); Western states

Sovereigns *see* Caliphs; Emperors; Kings and rulers; Monarchy; Queens and empresses

Sovereignty

*See also* Constitutional law; Government; Social contract; State rights

*Refer from* Constitutional law; Government; International law; Law

Space

*See also* Ether (of space); Fourth dimension; Space perception

*Refer from* Astronomy; Metaphysics; Philosophy

Space perception

*See also* Perception; Senses and sensation

*Refer from* Perception; Psychology, Physiological; Senses and sensation; Space

Space telegraphy *see* Wireless telegraphy

Spain — History

—— To 1479

*See also* Moors in Spain

*Refer from* Moors in Spain

—— 1479-1700

*See also* Armada, 1588; Reformation — Spain

*Refer from* Armada, 1588; Reformation — Spain

—— 1700-

*See also* Austrian succession, War of; Carlists; Peninsular war, 1807-1814; Spanish succession, War of; U. S. — History — War with Spain

*Refer from* Austrian succession, War of; Carlists; Peninsular war, 1807-1814; Spanish succession, War of

Spanish America *see* Latin America

Spanish-American war, 1898, *see* U. S. — History — War with Spain

Spanish armada *see* Armada, 1588

Spanish inquisition *see* Inquisition

Spanish language [subdivided like German language]

*See also* Romance languages

*Refer from* Romance languages





**Spanish literature**

*See also* Authors, Spanish; Romance literature; Spanish poetry

**Spanish poetry**

*See also* Poets, Spanish; Spanish literature

**Spanish succession, War of, 1701-1714**

*See also* Europe — History — 1492-1789; Queen Anne's war; Spain — History — 1700-

*Refer from* Authors, Spanish; Romance literature; Spanish poetry

*Refer from* Poets, Spanish; Spanish literature

*Refer from* England — History — Stuarts; Europe — History — 1492-1789; France — History — Bourbons; Germany — History — 1517-1740; Spain — History — 1700-; War of the Spanish succession (s)

**Sparring *see* Boxing****Sparrows**

*See also* Birds

**Spas *see* Health resorts****Speakers *see* Orators; Recitations and readings****Speaking *see* Elocution; Oratory; Preaching; Rhetoric; Speech; Voice****Spear throwers *see* Throwing sticks****Specie *see* Gold (as money); Money; Silver (as money)****Specie payment *see* Money — U. S.; Silver (as money)****Species**

*See also* Evolution; Hybridization; Natural selection; Plant breeding; Variation (biology)

*Refer from* Biology; Evolution; Heredity; Natural selection; Origin of species (s); Transmutation of species (s); Variation (biology); Zoology

**Specific gravity**

*See also* Gravitation; Hydrometer; Weights and measures

**Specifications (building) *see* Building — Contracts and specifications****Spectacles**

*See also* Eye; Lenses

*Refer from* Density (s); Gravitation; Hydrostatics; Matter; Weights and measures

*Refer from* Eye; Eye-glasses (s); Optical instruments; Sight

**Specters *see* Apparitions; Ghosts****Spectra**

*See also* Light; Radioactivity; Spectroscope; Spectrum analysis

*Refer from* Absorption spectra (s); Astronomy; Light; Radiation; Solar spectrum (s); Spectrum (s); Spectrum analysis; Stars; Sun

**Spectres *see* Apparitions; Ghosts****Spectroscope**

*See also* Spectrum analysis

*Refer from* Astronomical instruments; Optical instruments; Spectra; Spectrum analysis

**Spectroscopy *see* Spectrum analysis****Spectrum *see* Spectra; Spectrum analysis****Spectrum analysis**

*See also* Spectra; Spectroscope

*Refer from* Analysis, Spectrum (s); Astronomy; Astrophysics; Chemistry; Light; Spectra; Spectroscope; Spectroscopy (s); Spectrum (s); Sun

**Speculation**

*See also* Credit; Investments; Panics; Stock exchange; Stocks; Wall street

*Refer from* Bucket shops (s); Commerce; Corners, Commercial (s); Economics; Finance; Investments; Panics; Stock exchange; Wall street

**Speech**

*See also* Animals — Language; Aphasia; Conversation; Deaf and dumb; Elocution; Language; Liberty of speech; Lip reading; Stammering; Voice

**Speech of animals *see* Animals — Language****Speeches *see* After-dinner speeches; Orations; Oratory**

*Refer from* Language; Phonetics; Speaking (s); Voice



**Speed**

*See also* Velocity

Speleology *see* Caves

**Spellers**

*See also* Primers; Spelling

**Spelling**

*See also* Spellers; Spelling, English; Spelling reform; Transliteration; *also* names of languages other than English, e.g. German language — Spelling

**—English**

*See also* Spelling reform

**Spelling reform**

Spherical astronomy *see* Astronomy, Spherical and practical

Spherical trigonometry *see* Trigonometry

Sphragistics *see* Seals (numismatics)

**Sphygmograph****Spices**

*See also* Condiments; Essences and essential oils; *also* names of spices

**Spiders**

*See also* Arachnida

**Spies**

Spikes *see* Nails and spikes

Spinal meningitis *see* Meningitis

**Spine**

*See also* Meningitis; Nervous system; Skeleton

Spinnet *see* Piano

**Spinning**

*See also* Textile industry and fabrics; Yarn

**Spinsters**

Spiral gearing *see* Gearing

**Spires**

*See also* Church architecture; Towers

Spirit *see* Holy Spirit; Soul

Spiritism *see* Spiritualism

Spirits *see* Apparitions; Demonology; Ghosts;

Spiritualism; Witchcraft

**Spiritual life**

*See also* Christian life and character; New thought; Sanctification

**Spiritualism**

*See also* Apparitions; Clairvoyance; Mind reading; Psychical research

Spirituous liquors *see* Liquors

**Splashes**

Splicing *see* Knots and splices

Spoils system *see* Civil service

**Sponges**

*See also* Invertebrates

*Refer from* Aeronautics; Animal locomotion; Automobiles; High speed (s); Railroads; Velocity

*Refer from* Spelling; Textbooks

*Refer from* Language; Orthography (s); Phonetics; Spellers; Words

*Refer from* English language; English language — Orthography (s); English language — Spelling (s); English spelling (s); Spelling  
*Refer from* Phonetic spelling (s); Simplified spelling (s); Spelling; Spelling, English

*Refer from* Blood; Diagnosis; Heart

*Refer from* Agricultural products; Agriculture — Tropics; Condiments

*Refer from* Arachnida

*Refer from* Military art and science; Spying (s)

*Refer from* Backbone (s); Bones; Nervous system; Skeleton; Vertebral column (s)

*Refer from* Textile industry and fabrics; Yarn

*Refer from* Celibacy; Old maids (s); Women

*Refer from* Architecture; Church architecture; Steeples (s); Towers

*Refer from* Christian life and character; Conduct of life; Ethics; Life; Personal religion (s); Religion; Religion, Personal (s); Religious experience (s); Soul

*Refer from* Animism; Apparitions; Future life; Ghosts; Mediums (s); Miracles; Occult sciences; Philosophy; Psychical research; Religions; Slate writing (s); Spiritism (s); Spirits (s); Supernatural; Superstition; Table-moving (s); Theology

*Refer from* Capillarity; Liquids; Viscosity

*Refer from* Invertebrates; Marine zoology; Porifera (s)



Spontaneous combustion *see* Combustion

**Spontaneous generation**

*See also* Reproduction

**Sports**

*See also* Acrobats; Aeronautics; Amusements; Aquatic sports; Archery; Athletics; Automobile racing; Betting; Boats and boating; Boxing; Bullfights; Camping; Canoes and canoeing; Coasting; College athletics; Coursing; Cycling; Driving; Falconry; Fencing; Fishing; Gambling; Games, and names of games; Gymnastics; Horse racing; Horsemanship; Hunting; Ice boats; Jiu-jitsu; Kites; Land yachts; Mountaineering; Olympic games; Outdoor life; Physical education; Roller-skating; Rowing; Running; Sailing; Shooting; Skating; Skee and skee-running; Swimming; Tobogganing; Tournaments; Track athletics; Training; Trapping; Walking; Winter sports; Wrestling; Yachts and yachting

**Spraying**

*See also* Bordeaux mixture; Fruit — Diseases and pests; Fungicides; Insecticides

**Spring**

*See also* Seasons

**Springs**

*See also* Geysers and hot springs; Mineral waters; Sulphur springs; Water, Underground; Wells

Spying *see* Spies

Squabs *see* Pigeons

**Square (instrument)**

Squares, Magic, *see* Magic squares

Squaring of the circle *see* Circle-squaring

Stables *see* Barns and stables

Stacks (for books) *see* Shelving (for books)

Stage *see* Acting; Drama; Theater; Vaudeville

Stage-coaches *see* Coaches and coaching

Stage make-up *see* Make-up, Theatrical

**Stained glass**

*See also* Glass, Ornamental

**Stains and staining**

*See also* Graining; Wood finishing

**Stair building**

*See also* Railings

Stairs *see* Stair building

Stairways *see* Stair building

**Stammering**

**Stamp act, 1765**

*See also* U. S. — History — Revolution — Causes

*Refer from* Abiogenesis (s); Archegony (s); Biology; Generation, Spontaneous (s); Life — Origin; Reproduction

*Refer from* Adventure; Amusements; Aquatic sports; Athletics; Country life; Field sports (s); Games; Hunting; Manly exercise (s); Outdoor life; Pastimes (s); Physical education; Play; Recreation (s); Shooting; Winter sports

*Refer from* Bordeaux mixture; Fruit — Diseases and pests; Fruit culture; Fungicides; Gardening; Insecticides; Insects, Injurious and beneficial; Plants — Diseases; Trees — Diseases and pests

*Refer from* Seasons

*Refer from* Fountains; Geysers and hot springs; Physical geography; Water; Water, Underground; Wells

*Refer from* Carpenters' square (s); Carpentry; Measuring instruments; Steel square (s); Tools

*Refer from* Art; Decoration and ornament; Glass; Glass, Ornamental; Glass painting (s); Painted glass (s); Painting; Windows

*Refer from* Graining; Painting, Mechanical; Wood finishing; Woodwork

*Refer from* Architecture; Building; Carpentry; Stairs (s); Stairways (s)

*Refer from* Speech; Stuttering (s); Voice

*Refer from* Stamp duties; U. S. — History — Colonial period; U. S. — History — Revolution — Causes



Spontaneous combustion *see* Combustion

**Spontaneous generation**

*See also* Reproduction

**Sports**

*See also* Acrobats; Aeronautics; Amusements; Aquatic sports; Archery; Athletics; Automobile racing; Betting; Boats and boating; Boxing; Bullfights; Camping; Canoes and canoeing; Coasting; College athletics; Coursing; Cycling; Driving; Falconry; Fencing; Fishing; Gambling; Games, and names of games; Gymnastics; Horse racing; Horsemanship; Hunting; Ice boats; Jiu-jitsu; Kites; Land yachts; Mountaineering; Olympic games; Outdoor life; Physical education; Roller-skating; Rowing; Running; Sailing; Shooting; Skating; Skee and skee-running; Swimming; Tobogganing; Tournaments; Track athletics; Training; Trapping; Walking; Winter sports; Wrestling; Yachts and yachting

**Spraying**

*See also* Bordeaux mixture; Fruit — Diseases and pests; Fungicides; Insecticides

**Spring**

*See also* Seasons

**Springs**

*See also* Geysers and hot springs; Mineral waters; Sulphur springs; Water, Underground; Wells

Spying *see* Spies

Squabs *see* Pigeons

**Square (instrument)**

Squares, Magic, *see* Magic squares

Squaring of the circle *see* Circle-squaring

Stables *see* Barns and stables

Stacks (for books) *see* Shelving (for books)

Stage *see* Acting; Drama; Theater; Vaudeville

Stage-coaches *see* Coaches and coaching

Stage make-up *see* Make-up, Theatrical

**Stained glass**

*See also* Glass, Ornamental

**Stains and staining**

*See also* Graining; Wood finishing

**Stair building**

*See also* Railings

Stairs *see* Stair building

Stairways *see* Stair building

**Stammering**

**Stamp act, 1765**

*See also* U. S. — History — Revolution — Causes

*Refer from* Abiogenesis (s); Archegony (s); Biology; Generation, Spontaneous (s); Life — Origin; Reproduction

*Refer from* Adventure; Amusements; Aquatic sports; Athletics; Country life; Field sports (s); Games; Hunting; Manly exercise (s); Outdoor life; Pastimes (s); Physical education; Play; Recreation (s); Shooting; Winter sports

*Refer from* Bordeaux mixture; Fruit — Diseases and pests; Fruit culture; Fungicides; Gardening; Insecticides; Insects, Injurious and beneficial; Plants — Diseases; Trees — Diseases and pests

*Refer from* Seasons

*Refer from* Fountains; Geysers and hot springs; Physical geography; Water; Water, Underground; Wells

*Refer from* Carpenters' square (s); Carpentry; Measuring instruments; Steel square (s); Tools

*Refer from* Art; Decoration and ornament; Glass; Glass, Ornamental; Glass painting (s); Painted glass (s); Painting; Windows

*Refer from* Graining; Painting, Mechanical; Wood finishing; Woodwork

*Refer from* Architecture; Building; Carpentry; Stairs (s); Stairways (s)

*Refer from* Speech; Stuttering (s); Voice

*Refer from* Stamp duties; U. S. — History — Colonial period; U. S. — History — Revolution — Causes





**Stamp duties**

*See also* Stamp act, 1765

Stamps *see* Postage stamps

**Standard of living**

*See also* Cost of living; Extravagance; Luxury; Thrift; Wages

Standard of value *see* Money; Value

Standard time *see* Time

Standards *see* Flags; Standards of length; Units; Weights and measures

**Standards of length**

Standing army *see* Armies

Star atlases *see* Astronomy — Atlases

**Stars**

*See also* Asteroids; Astrology; Astronomy; Astronomy — Atlases; Astrophysics; Meteors; Milky way; Parallax; Planets; Planispheres; Spectra; Zodiac

**Starvation**

*See also* Famines

State, The, *see* Government

State and education *see* Education and state

State banks *see* Banks and banking — U. S.

State church *see* Church and state; Church of England — Establishment

State constitutions *see* Constitutions, State

State debts *see* Debts, Public

**State ethics**

*See also* Political ethics; Social ethics

State fairs *see* Agricultural exhibitions

**State governments**

*See also* Constitutions, State; Local government; *also* names of states

State ownership *see* Government ownership

State publications *see* Government publications, and names of states, subhead Government publications

State regulation of industry *see* Government regulation of industry

**State rights**

*See also* Kentucky and Virginia resolutions, 1798; Nationalism, New; Nullification; Secession; States (U. S.)

State socialism *see* Socialism

State trials *see* Trials

**States (U. S.)**

*See also* Constitutions, State; State governments; State rights

States rights *see* State rights

Statesmanship *see* Diplomacy; Government

**Statesmen**

*See also* Diplomats; Governors; Ministers of state; Prime ministers; Senators

Static electricity *see* Electrostatics

**Statics**

*See also* Dynamics; Elasticity; Electrostatics; Graphic statics; Hydrostatics; Mechanics

*Refer from* Commerce; Internal revenue (s); Taxation

*Refer from* Conduct of life; Cost of living; Economics; Ethics; Home economics; Labor and laboring classes; Life; Living, Standard of (s); Luxury; Poor; Prices; Thrift; Wages

*Refer from* Length, Standards of (s); Standards (s); Weights and measures

*Refer from* Astronomy; Astrophysics; Constellations (s); Double stars (s); Sidereal system (s)

*Refer from* Diet; Famines; Fasting

*Refer from* Ethics; Ethics, National (s); Ethics, State (s); International law; International relations; National ethics (s); Social ethics

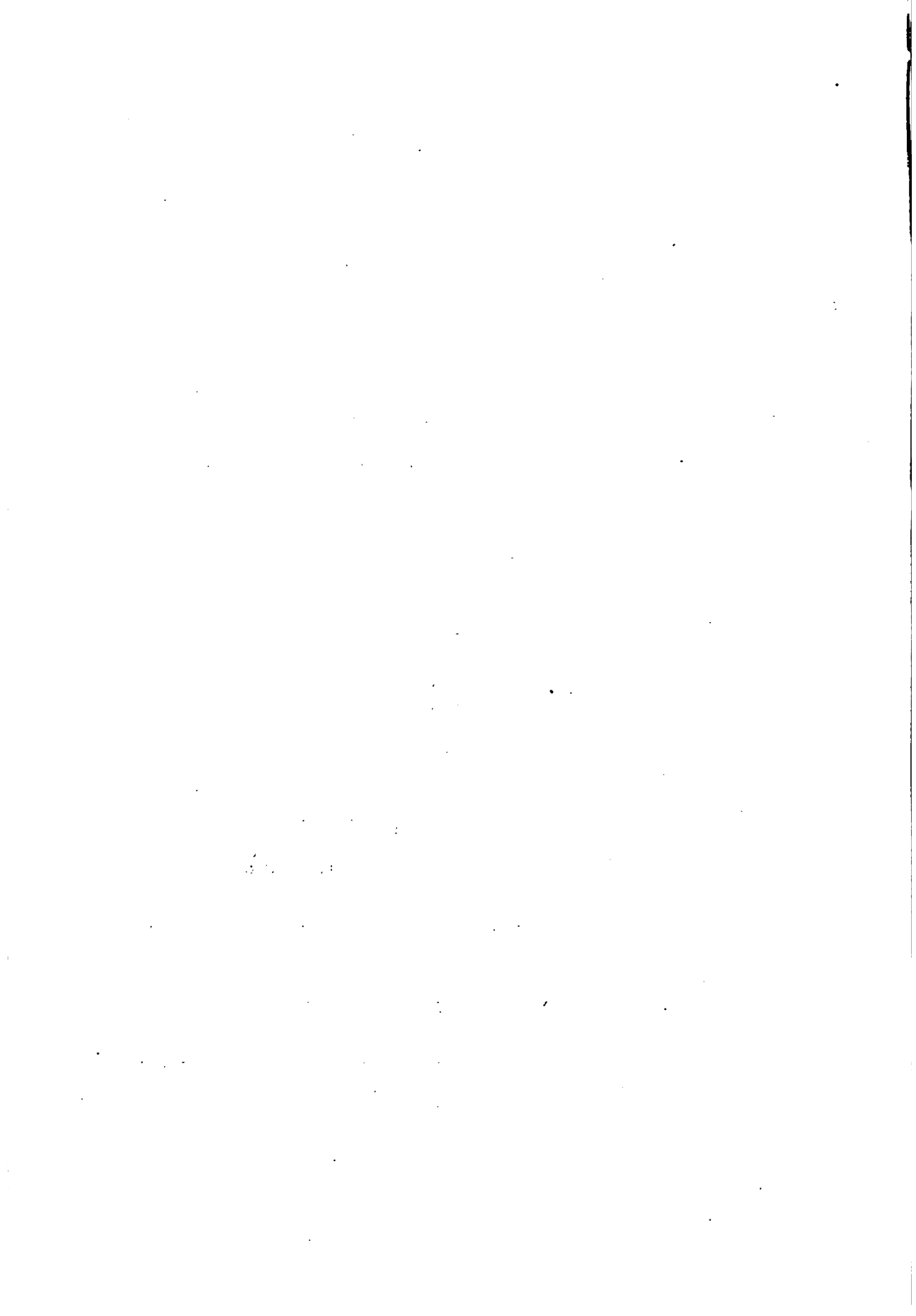
*Refer from* Constitutions, State; Federal government; Government; States (U. S.)

*Refer from* Federal government; Government; Government regulation of industry; Nullification; Secession; Sovereignty; States (U. S.); States rights (s); U. S.— Constitution

*Refer from* State rights; U. S.— States (s)

*Refer from* Biography; Government

*Refer from* Dynamics; Engineering; Equilibrium (s); Mechanics; Physics



**Stationery**

*See also* Ink; Paper

Stations, Railroad, *see* Railroads — Stations

**Statistics**

*See also* Almanacs; Census; Church statistics; Population; Probabilities; Tabulating machines; Vital statistics; Yearbooks. For statistics of a special subject, country or place *see* its name

**Statues**

*See also* Monuments; Plaster casts; Sculpture

Statute of limitations *see* Limitations (law)

Statutes *see* names of countries and states

Staves *see* Cooperage

Stealing *see* Embezzlement; Larceny

**Steam**

*See also* Boilers; Condensers (steam); Steam engines; Steam heating; Steam launches; Steam navigation; Steam pipes; Steam turbines; Steamboats; Thermodynamics

Steam boilers *see* Boilers; Steam engines

**Steam engines**

*See also* Boilers; Calorimeters and calorimetry; Condensers (steam); Fire engines; Heat; Indicators for steam engines; Injectors; Link motion; Locomotives; Marine engines; Power plants, Steam; Railroads; Safety valves; Steam; Steam navigation; Steam turbines; Steamboats; Traction engines; Valves and valve gears

Steam fitting *see* Pipe fitting; Steam pipes

**Steam heating**

*See also* Heating; Hot water heating; Steam pipes

Steam injectors *see* Injectors

**Steam launches****Steam navigation**

*See also* Boilers, Marine; Marine engineering; Marine engines; Navigation; Steam engines; Steam turbines; Steamboats

**Steam pipes**

*See also* Pipe fitting; Steam heating

Steam plants *see* Power plants, Steam

Steam power plants *see* Power plants, Steam

Steam pumps *see* Pumps

**Steam turbines**

Steam yachts *see* Yachts and yachting

**Steamboat inspection****Steamboats**

*See also* Boilers, Marine; Bulkheads; Fire boats; Marine engines; Ocean travel; Propellers; Shipbuilding; Shipping; Steam launches; Steam navigation; Steamboat inspection; Steerage; Warships; Yachts and yachting

Steamers *see* Steamboats

Steamships *see* Steamboats

*Refer from* Manufactures; Paper

*Refer from* Census; Commerce; Economics; Government; History; Population; Sociology

*Refer from* Iconography (s); Monuments; Plaster casts; Sculpture

*Refer from* Boilers; Heat; Physics; Power; Steam engines; Thermodynamics; Vapor (s); Water

*Refer from* Boilers; Condensers (steam); Engineering; Engines; Heat engines; Indicators for steam engines; Locomotives; Machinery; Marine engines; Mechanical engineering; Mechanics; Motors; Power plants, Steam; Railroads; Safety valves; Steam; Steam boilers (s); Steam navigation; Thermodynamics; Valves and valve gears

*Refer from* Heating; Steam; Steam pipes

*Refer from* Boats and boating; Launches (s); Steam; Steamboats

*Refer from* Commerce; Inland navigation; Marine engineering; Navigation; Ships; Steam; Steam engines; Steamboats; Transportation

*Refer from* Pipe; Pipe fitting; Pipes (s); Steam; Steam fitting (s); Steam heating

*Refer from* Marine engineering; Marine engines; Steam; Steam engines; Steam navigation; Turbines

*Refer from* Inspection of steamboats (s); Maritime law; Steamboats

*Refer from* Navigation; Ocean travel; Propellers; Shipbuilding; Shipping; Ships; Steam; Steam engines; Steam navigation; Steamers (s); Steamships (s); Transportation; Vessels (s)



**Steel**

*See also* Annealing; Armor plate; Bessemer process; Corrosion and anti-corrosives; Foundry work; Iron; Metallography; Metals; Nickel steel; Rails; Steel construction; Steel industry; Tool steel; Tubes

**Steel construction**

*See also* Bridges; Building; Concrete, Reinforced; Concrete construction; Corrosion and anti-corrosives; Girders; Graphic statics; High buildings; Roofs; Strains and stresses; Strength of materials

Steel engraving *see* Engraving

**Steel industry**

*See also* Iron industry; Rolling mills

Steel rails *see* Rails

Steel square *see* Square (instrument)

Steel ties *see* Railroads — Ties

Steel works *see* Steel industry

Steeplechasing *see* Horse racing

Steeple *see* Spires

**Steerage**

Stellar parallax *see* Parallax

**Stencil work**

Stencilling *see* Stencil work

Stenography *see* Shorthand

**Steppes****Stereochemistry**

*See also* Atoms; Chemistry, Physical; Isomerism

Stereography *see* Geometry

**Stereopticon**

*See also* Lantern slides

**Stereoscope****Stereotomy**

*See also* Stonecutting

**Stereotyping**

*See also* Electrotyping; Printing

**Stimulants**

*See also* Alcohol; Beverages; Coffee; Liquors; Tea; Temperance

**Stipple engraving**

*See also* Engraving

Stitches *see* Embroidery; Needlework

Stock breeding *see* Breeding; Live stock

Stock companies *see* Corporations; Joint-stock companies

**Stock exchange**

*See also* Banks and banking; Brokers and factors; Money; Panics; Speculation; Stocks; Wall street

Stock farming *see* Live stock

Stock raising *see* Live stock

Stockings *see* Hosiery

*Refer from* Annealing; Bessemer process; Building materials; Iron; Metallography; Metals

*Refer from* Architecture; Building; Civil engineering; Fireproof construction; Girders; Graphic statics; High buildings; Roofs; Steel

*Refer from* Iron industry; Manufactures; Rolling mills; Steel; Steel works (s)

*Refer from* Ocean travel; Steamboats

*Refer from* Arts and crafts; Decoration and ornament; Design, Decorative; Frescoes; Painting; Stencilling (s)

*Refer from* Physical geography; Plains

*Refer from* Atoms; Chemistry; Chemistry, Physical; Isomerism; Molecules; Polarization (light); Sugar

*Refer from* Lantern slides; Magic lantern (s); Optical instruments; Photography

*Refer from* Optical instruments

*Refer from* Geometry, Descriptive; Masonry; Stonecutting

*Refer from* Electrotyping; Printing

*Refer from* Beverages; Diet; Drugs; Food; Hygiene; Intoxicants (s); Medicine; Temperance; Therapeutics

*Refer from* Engraving; Etching

*Refer from* Arbitrage (s); Banks and banking; Brokers and factors; Business; Commerce; Corners, Commercial (s); Economics; Exchange; Finance; Money; Speculation; Stocks; Wall street



**Steel**

*See also* Annealing; Armor plate; Bessemer process; Corrosion and anti-corrosives; Foundry work; Iron; Metallography; Metals; Nickel steel; Rails; Steel construction; Steel industry; Tool steel; Tubes

**Steel construction**

*See also* Bridges; Building; Concrete, Reinforced; Concrete construction; Corrosion and anti-corrosives; Girders; Graphic statics; High buildings; Roofs; Strains and stresses; Strength of materials  
Steel engraving *see* Engraving

**Steel industry**

*See also* Iron industry; Rolling mills

Steel rails *see* Rails

Steel square *see* Square (instrument)

Steel ties *see* Railroads — Ties

Steel works *see* Steel industry

Steeplechasing *see* Horse racing

Steeple *see* Spires

**Steerage**

Stellar parallax *see* Parallax

**Stencil work**

Stencilling *see* Stencil work

Stenography *see* Shorthand

**Steeple****Stereochemistry**

*See also* Atoms; Chemistry, Physical; Isomerism

Stereography *see* Geometry

**Stereopticon**

*See also* Lantern slides

**Stereoscope****Stereotomy**

*See also* Stonecutting

**Stereotyping**

*See also* Electrotyping; Printing

**Stimulants**

*See also* Alcohol; Beverages; Coffee; Liquors; Tea; Temperance

**Stipple engraving**

*See also* Engraving

Stitches *see* Embroidery; Needlework

Stock breeding *see* Breeding; Live stock

Stock companies *see* Corporations; Joint-stock companies

**Stock exchange**

*See also* Banks and banking; Brokers and factors; Money; Panics; Speculation; Stocks; Wall street

Stock farming *see* Live stock

Stock raising *see* Live stock

Stockings *see* Hosiery

*Refer from* Annealing; Bessemer process; Building materials; Iron; Metallography; Metals

*Refer from* Architecture; Building; Civil engineering; Fireproof construction; Girders; Graphic statics; High buildings; Roofs; Steel

*Refer from* Iron industry; Manufactures; Rolling mills; Steel; Steel works (s)

*Refer from* Ocean travel; Steamboats

*Refer from* Arts and crafts; Decoration and ornament; Design, Decorative; Frescoes; Painting; Stencilling (s)

*Refer from* Physical geography; Plains

*Refer from* Atoms; Chemistry; Chemistry, Physical; Isomerism; Molecules; Polarization (light); Sugar

*Refer from* Lantern slides; Magic lantern (s); Optical instruments; Photography

*Refer from* Optical instruments

*Refer from* Geometry, Descriptive; Masonry; Stonecutting

*Refer from* Electrotyping; Printing

*Refer from* Beverages; Diet; Drugs; Food; Hygiene; Intoxicants (s); Medicine; Temperance; Therapeutics

*Refer from* Engraving; Etching

*Refer from* Arbitrage (s); Banks and banking; Brokers and factors; Business; Commerce; Corners, Commercial (s); Economics; Exchange; Finance; Money; Speculation; Stocks; Wall street





**Stocks**

*See also* Bonds; Corporations; Investments; Joint-stock companies; Securities; Stock exchange; Wall street

**Stoics**

*See also* Philosophy, Greek

**Stomach**

*See also* Digestion; Digestive system

**Stone**

*See also* Blasting; Building stones; Granite; Marble; Masonry; Precious stones; Quarries and quarrying; Rocks; Sandstone; Stone age; Stone implements; Stonecutting

**—Artificial**

*See also* Concrete

**—Philosopher's, *see* Philosopher's stone**

**Stone age**

*See also* Archaeology; Man — Origin and antiquity; Picts; Stone implements

Stone-cutting *see* Stonecutting

**Stone implements**

*See also* Indians — Implements and weapons; Industries, Primitive; Stone age

Stone quarries *see* Quarries and quarrying

**Stonecutting**

*See also* Building stones; Sculpture; Stereotomy

Stones *see* Stone; Building stones; Precious stones

Stoneware *see* Pottery

**Storage batteries**

*See also* Electric batteries

Stores *see* Business; Department stores

Stories *see* Children's literature; Fairy tales; Fiction; Kindergarten — Stories; Legends; Romances; Short stories; Story-telling

**Storms**

*See also* Cyclones; Hail; Hurricanes; Insurance, Casualty; Meteorology; Rain; Snow; Thunderstorms; Tornadoes; Winds

**Story-telling****Stoves**

*See also* Aladdin oven; Fireless cookers; Heating; Ovens

**Strains and stresses**

*See also* Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Strength of materials; Trusses

Strategy *see* Military art and science; Naval art and science

Stratigraphy *see* Geology, Stratigraphic

**Strawberries**

*See also* Berries

*Refer from* Banks and banking; Bonds; Commerce; Corporations; Dividends (s); Economics; Exchange; Finance; Investments; Joint-stock companies; Negotiable instruments; Securities; Speculation; Stock exchange

*Refer from* Ethics; Materialism; Philosophy; Philosophy, Greek

*Refer from* Abdomen; Digestion; Digestive system

*Refer from* Building materials; Building stones; Geology; Geology, Economic; Masonry; Mineralogy; Quarries and quarrying; Rocks; Stones (s)

*Refer from* Artificial stone (s); Building materials; Concrete

*Refer from* Archaeology; Eolithic period (s); Man — Origin and antiquity; Neolithic period (s); Paleolithic period (s); Stone; Stone implements

*Refer from* Archaeology; Flint implements (s); Implements, utensils, etc.; Indians — Implements and weapons; Industries, Primitive; Stone; Stone age; Tools

*Refer from* Building stones; Masonry; Stereotomy; Stone; Stone-cutting (s)

*Refer from* Accumulators (s); Batteries (electric) (s); Electric batteries; Secondary batteries (s)

*Refer from* Blizzards (s); Cyclones; Disasters; Gales (s); Hurricanes; Meteorology; Thunderstorms; Tornadoes; Weather; Whirlwinds (s); Winds

*Refer from* Kindergarten; Stories (s); Teaching

*Refer from* Heating; Iron industry; Ovens

*Refer from* Architecture; Arches; Bridges; Building; Elasticity; Girders; Graphic statics; Mechanics, Applied; Roofs; Steel construction; Strength of materials; Stresses (s); Trusses

*Refer from* Berries



Streams *see* Rivers

Street cars *see* Cars; Street railroads

**Street cleaning**

*See also* Refuse and refuse disposal

**Street cries**

*See also* Peddlers and peddling

Street lighting *see* Lighting

**Street railroads**

*See also* Cable railroads; Electric railroads; Elevated railroads; Rapid transit; Subways; Suspended railways; *also* names of cities, subhead Street railroads

**Streets**

*See also* Asphalt; Pavements; Roads; Sidewalks; Street cleaning; *also* names of cities, subhead Streets

**Strength of materials**

*See also* Architecture; Building; Building materials; Elasticity; Girders; Graphic statics; Masonry; Strains and stresses; Trusses; *also* names of materials

Stresses *see* Strains and stresses

**Strikes and lockouts**

*See also* Arbitration and conciliation, Industrial; Blacklisting; Boycott; Labor and laboring classes; Labor unions; Open and closed shop; Riots; *also* special strikes, e.g. Anthracite coal strike, 1902

**String figures**

**Stringed instruments**

*See also* Guitar; Harp; Harpsichord; Musical instruments; Piano; Violin; Violoncello

Structural botany *see* Botany, Structural

**Stucco**

*See also* Cement; Gesso; Plaster and plastering

**Student life**

*See also* Class day; College athletics; College stories; Colleges and universities; Fraternities, College; Hazing; School stories; Students

Student self-government *see* Self-government (in education)

Student songs *see* College songs

**Student volunteer movement**

**Students**

*See also* Colleges and universities; Education; Student life; Student volunteer movement; Students' periodicals

**Students' periodicals**

*See also* Amateur journalism

*Refer from* Cities; Cleaning; Hygiene, Public; Municipal engineering; Refuse and refuse disposal; Roads; Sanitary engineering; Streets; Sweeping

*Refer from* Advertising; Cities; Cries (s); Peddlers and peddling

*Refer from* Electric railroads; Horse railroads (s); Public service corporations; Railroads; Rapid transit; Roads; Street cars (s); Tramways (s); Transportation

*Refer from* Cities; Civil engineering; Highways (s); Municipal engineering; Municipal improvement; Pavements; Roads; Thoroughfares (s)

*Refer from* Architecture; Building; Building materials; Civil engineering; Columns; Elasticity; Engineering; Graphic statics; Masonry; Materials, Strength of (s); Mechanics; Metals; Resistance of materials (s); Steel construction; Strains and stresses; Testing (s); Timber; Trusses

*Refer from* Arbitration and conciliation, Industrial; Boycott; Economics; Labor and capital; Labor and laboring classes; Labor unions; Lockouts (s); Riots

*Refer from* Amusements; Cat's cradle (s); Games

*Refer from* Bow (music) (s); Bowed instruments (s); Guitar; Harp; Musical instruments; Orchestras; Violin; Violoncello

*Refer from* Building materials; Cement; Decoration and ornament; Mural painting and decoration; Plaster and plastering

*Refer from* College life (s); College students (s); Colleges and universities; Hazing; School life (s); Students

*Refer from* Colleges and universities; Missionaries; Missions; Missions, Foreign; Students

*Refer from* College students (s); Colleges and universities; Education; Literary men (s); Student life

*Refer from* Amateur journalism; College periodicals (s); Colleges and universities; Journalism; Periodicals; Students



**Study**

*See also* Education; Research; Scholars; Scientific research; Self-culture; Seminary method; Study clubs; *also* subhead Study and teaching under various subjects

**Study clubs**

*See also* Literary societies

Stuttering *see* Stammering

Style (in dress) *see* Costume; Fashion

Style, Literary, *see* Rhetoric

**Subconsciousness**

*See also* Faith cure; Hypnotism; Personality; Sleep

**Sublime**

*See also* Esthetics

**Submarine boats**

*See also* Submarine warfare; Torpedo boats

Submarine cables *see* Cables, Submarine

Submarine mines *see* Mines, Submarine

Submarine navigation *see* Submarine boats

Submarine telegraph *see* Cables, Submarine

**Submarine warfare**

*See also* Mines, Submarine; Submarine boats; Torpedo boats; Torpedoes

**Subsidies**

*See also* Bounties

Subsoiling *see* Tillage

Subterranean water *see* Water, Underground

Suburban houses *see* Architecture, Domestic; Country houses

**Subways**

*See also* Rapid transit; Tunnels

**Success**

*See also* Ambition; Business; Conduct of life; Fame; Leadership; Occupations; Opportunity; Popularity; Profession, Choice of; Thrift

Succession *see* Inheritance

**Suffering**

*See also* Affliction; Consolation; Pain

**Suffrage**

*See also* Ballot; Citizenship; Election laws; Elections; Naturalization; Negro suffrage; Representative government and representation; Woman suffrage

Suffragettes *see* Woman suffrage

Sufism *see* Sufism

**Sufism**

*See also* Mohammedanism

**Sugar**

*See also* Beets and beet sugar; Chemistry, Technical; Confectionery; Glucose; Molasses; Sorghum; Stereochemistry; Syrups

*Refer from* Education; School children; Self-culture; Teaching

*Refer from* Clubs; Courses of study (s); Literary societies; Self-culture; Study; Women's clubs

*Refer from* Consciousness; Habit; Hypnotism; Mind and body; Psychological research; Psychology; Sleep; Suggestion

*Refer from* Esthetics

*Refer from* Boats and boating; Naval art and science; Navigation; Shipbuilding; Ships; Submarine navigation (s); Submarine warfare; Torpedo boats; Warships

*Refer from* Naval art and science; Submarine boats

*Refer from* Bounties; Commerce; Ship subsidies (s); Shipping; Shipping subsidies (s); Transportation

*Refer from* Civil engineering; Engineering; Railroads; Railroads, Underground (s); Rapid transit; Street railroads; Tunnels; Underground roads (s)

*Refer from* Business; Commerce; Conduct of life; Ethics; Fortune (s); Luck (s); Opportunity; Self-help (s); Self-made men (s); Wealth; Young men

*Refer from* Pain

*Refer from* Ballot; Constitutional law; Democracy; Disfranchisement (s); Election laws; Elections; Elective franchise (s); Franchise (s); Government; Politics; Representative government and representation; Universal suffrage (s); Voting (s)

*Refer from* Mohammedanism; Mysticism; Sufism (s)

*Refer from* Agricultural products; Agriculture — Tropics; Beets and beet sugar; Chemistry, Technical; Food; Sorghum



Sugar beet *see* Beets and beet sugar

**Suggestion**

*See also* Animal magnetism; Hypnotism; Mental healing; Mental hygiene; New thought; Subconsciousness; Suggestive therapeutics; Thought transference

**Suggestive therapeutics**

*See also* Christian science; Emmanuel movement; Faith cure; Hypnotism; Mental healing

**Suicide**

Suits at law *see* Actions at law

**Sullivan's expedition, 1779**

*See also* U. S.—History — Revolution

**Sulphur**

*See also* Geology, Economic; Sulphur springs

**Sulphur springs**

*See also* Mineral waters

**Summer**

*See also* Seasons

Summer cottages *see* Cottages; *also* Architecture, Domestic; Country houses

**Summer resorts**

*See also* Health resorts

**Summer schools**

*See also* Teachers' institutes; Vacation schools

**Sumptuary laws**

**Sun**

*See also* Astronomy; Astrophysics; Eclipses; Parallax; Solar motors; Solar system; Spectra; Spectrum analysis; Sun spots

**Sun dance**

*See also* Indians — Dances

Sun-dials *see* Sundials

**Sun spots**

**Sun worship**

*See also* Sun dance

**Sunday**

*See also* Church attendance

**Sunday school entertainments**

*See also* Christmas entertainments; Church entertainments

**Sunday school lessons**

*See also* Bible — Question books; Bible — Study and teaching

**Sunday school libraries**

**Sunday schools**

*See also* Bible — Study and teaching; Religious education; Sunday school entertainments; Sunday school lessons; Sunday school libraries

**Sundials**

Sunstroke *see* Heatstroke

*Refer from* Animal magnetism; Autosuggestion (s); Hypnotism; Mental suggestion (s); Mind and body; Psychical research; Psychology

*Refer from* Faith cure; Hypnotism; Mental healing; Psychotherapy (s); Suggestion; Therapeutics

*Refer from* Crime and criminals; Death; Ethics; Insanity; Medical jurisprudence; Mental diseases; Murder

*Refer from* Iroquois Indians; U. S.—History — Revolution — Campaigns and battles

*Refer from* Chemical elements; Geology, Economic; Mines and mineral resources

*Refer from* Mineral waters; Springs; Sulphur

*Refer from* Seasons

*Refer from* Health resorts; Resorts (s); Vacations; Watering places (s)

*Refer from* Education; Schools; Vacation schools

*Refer from* Clothing; Economics; Extravagance; Law; Luxury

*Refer from* Astronomy; Astrophysics; Eclipses; Heat; Light; Solar heat (s); Solar physics (s); Solar system

*Refer from* Indians — Dances; Sun worship

*Refer from* Meteorology; Sun

*Refer from* Nature worship; Worship

*Refer from* Church work; Church polity; Ethics; Fasts and feasts; Religion; Sabbath (s); Theology

*Refer from* Church entertainments; Entertainments; Sunday schools

*Refer from* Bible — Study and teaching; Sunday schools

*Refer from* Children's literature; Libraries; Libraries, Sunday school (s); Sunday schools

*Refer from* Bible — Study and teaching; Bible classes (s); Children; Church work; Education; Religious education; Schools

*Refer from* Archaeology; Dialing (s); Dials (s); Gnomonics (s); Sun-dials (s); Timekeepers





Superintendents, School, *see* School superintendents and principals

**Supernatural**

*See also* Apparitions; Inspiration; Miracles; Psychical research; Religion; Spiritualism; Superstition; Theology

**Superstition**

*See also* Alchemy; Amulets; Apparitions; Astrology; Charms; Demonology; Devil; Divination; Dreams; Evil eye; Fairies; Fetishism; Folklore; Fortune telling; Ghosts; Halloween; Legends; Magic; Mythology; Occult sciences; Omens; Oracles; Palmistry; Relics; Religions; Second sight; Spiritualism; Supernatural; Totems and totemism; Vampires; Voodooism; Weather lore; Werewolves; Witchcraft

**Supply and demand**

*See also* Competition; Consumption (economics); Economics; Exchange; Prices; Value

**Suppuration**

*See also* Abscess; Inflammation; Ulcers

Supremacy of the pope *see* Popes — Authority and supremacy

Sureties *see* Guaranties and sureties

**Surfaces**

Surgeons *see* Physicians and surgeons

**Surgery**

*See also* Accidents; Amputation; Anatomy; Anesthetics; Antiseptics; Appendicitis; Autopsy; Bandages and bandaging; Bloodletting; Bones; Deformities; Dentistry; Diagnosis; Dislocations; Dissection; First aid in illness and injury; Fractures; Medicine; Physicians and surgeons; Skin grafting; Surgery, Military; Surgery, Naval; Surgical instruments; Trephining; Tumors; Vivisection; Wounds

— **Military**

*See also* Ambulances; Battlefield relief; First aid in illness and injury; Surgery, Naval; Wounds

— **Naval**

*See also* Wounds

**Surgical instruments**

Surnames *see* Names, Personal

Surrogate law *see* Probate law and practice

**Surveying**

*See also* Altitudes; Civil engineering; Engineering; Geodesy; Geography, Mathematical; Hydrography; Logarithms; Mine surveying; Photographic surveying; Railroad engineering; Surveying instruments; Topographical drawing; Traverse tables; Trigonometry

**Surveying instruments**

*See also* Barometer; Compass; Micrometer; Planimeter; Sextant; Transit (instrument)

*Refer from* Miracles; Philosophy; Religion; Superstition

*Refer from* Delusions (s); Demonology; Divination; Errors, Popular; Evil eye; Folklore; Ghosts; Idolatry; Mythology; Religion; Supernatural; Witchcraft

*Refer from* Competition; Consumption (economics); Demand and supply (s); Economics; Exchange; Law of supply and demand (s); Prices; Tariff question; Value

*Refer from* Abscess; Inflammation; Pathology; Pus (s); Ulcers

*Refer from* Curved surfaces (s); Geometry; Geometry, Analytic

*Refer from* Accidents; Amputation; Anatomy; Bandages and bandaging; Dislocations; Fractures; Medicine; Medicine — Practice; Operations, Surgical (s); Wounds

*Refer from* Battlefield relief; Medicine, Military; Military hygiene; Military surgery (s); Surgery

*Refer from* Naval surgery (s); Surgery; Surgery, Military

*Refer from* Instruments; Surgery

*Refer from* Civil engineering; Engineering; Geodetic surveying (s); Geodesy; Geography; Geography, Mathematical; Land; Land surveying (s); Leveling (s); Logarithms; Mathematics; Mensuration; Railroad engineering; Railroads; Topographical surveying (s); Topography (s); Traverse tables; Triangulation (s); Trigonometry

*Refer from* Instruments; Mathematical instruments; Sextant; Surveying; Transit (instrument)



Surveys *see* Geological surveys; Soil surveys;  
also names of countries and states, subhead  
Surveys

Survival of the fittest *see* Natural selection

Survivorship

Suspended animation

*See also* Burial, Premature; Drowning

Suspended railways

*See also* Cableways; Telpherage

Suspended sentence *see* Probation system

Suspension bridges *see* Bridges

Svastika *see* Swastika

Swamps *see* Marshes

Swastika

Swearing

*See also* Oaths

Sweating system

*See also* Child labor; Consumers' leagues;  
Home labor; Women — Employment

Swedenborgianism *see* New Jerusalem church  
Swedes in the U. S.

*See also* Scandinavians in the U. S.

Swedish language

*See also* Scandinavian languages

Swedish literature

*See also* Authors, Swedish; Scandinavian  
literature

Swedish movement cure

*See also* Gymnastics, Medical; Mechano-  
therapy

Sweeping

*See also* Brooms and brushes; Chimney  
sweeping; Street cleaning; Vacuum cleaning  
systems

Swimming

*See also* Aquatic sports; Baths and bath-  
ing; Diving

Swindlers and swindling

*See also* Antiques, Forged; Art forgeries;  
Fraud; Quacks and quackery

Swine

*See also* Feeding and feeding stuffs; Live  
stock; Ungulata; Veterinary medicine

Switchboards

Switches, Railroad, *see* Railroads — Switches

Swords

*See also* Arms and armor; Fencing

*Refer from* Inheritance; Law; Medical  
jurisprudence

*Refer from* Animation, Suspended (s);  
Death, Apparent (s); Drowning; Medicine —  
Practice

*Refer from* Cableways; Electric railroads;  
Monorailways (s); Mountain railroads; Rail-  
roads; Railroads — Single rail; Railroads,  
Suspended (s); Street railroads

*Refer from* Charms; Cross; Fylfot (s);  
Svastika (s); Symbolism

*Refer from* Ethics; Oaths; Profanity (s)

*Refer from* Child labor; Clothing; Consumers'  
leagues; Home labor; Hours of labor; Labor  
and laboring classes; Manufactures; Poor;  
Wages; Women — Employment

*Refer from* Scandinavians in the U. S.;  
U. S. — Foreign population

*Refer from* Germanic languages; Scandina-  
vian languages

*Refer from* Authors, Swedish; Scandinavian  
literature

*Refer from* Gymnastics, Medical; Massage;  
Mechanotherapy; Movement cure (s); Thera-  
peutics

*Refer from* Carpets; Cleaning; Floors; Home  
economics; House cleaning

*Refer from* Animal locomotion; Aquatic  
sports; Athletics; Baths and bathing; Diving;  
Drowning; Sports; Water

*Refer from* Crime and criminals; Delu-  
sions (s); Fraud; Humbug (s); Imposture;  
Quacks and quackery

*Refer from* Domestic animals; Hog (s);  
Hogs (s); Live stock; Pig (s); Pigs (s); Ungu-  
lata; Veterinary medicine

*Refer from* Dynamos; Electric apparatus and  
appliances; Electric lighting; Electric switch-  
boards (s); Electricity — Distribution; Tele-  
phone

*Refer from* Arms and armor; Broadsword (s);  
Fencing; Saber (s); Sabre (s); Weapons (s)



Syllogisms *see* Logic  
Symbolics *see* Creeds

**Symbolism**

*See also* Christian art and symbolism;  
Cross; Devices; Emblems; Scarabs; Swastika; Symbolism in literature

Symbolism (theology) *see* Creeds

Symbolism in literature

**Symmetry**

*See also* Esthetics; Proportion (art)

**Sympathy**

*See also* Emotions; Friendship

**Symphonies**

*See also* Orchestral music

Symptoms *see* Diagnosis

Synods *see* Councils and synods

**Synonyms and antonyms**

*See also* Synonyms and antonyms, English;  
also names of languages other than English  
—English

Synoptic Gospels *see* Bible — New Testament  
— Gospels

Syntax *see* Grammar

**Syrups**

*See also* Molasses

**Table**

*See also* Breakfasts; Carving (meat, etc.);  
Catering; Cookery; Dinners and dining;  
Eating; Food; Luncheons; Menus; Waiters

Table-moving *see* Spiritualism

**Table-talk**

*See also* Anecdotes

Table tennis *see* Ping-pong

**Tableaux**

*See also* Amateur theatricals

Tables, Interest, *see* Interest tables

Tables, Mathematical, *see* Mathematics —

Tables, etc.; Logarithms

**Tabulating machines**

Tachygraphy *see* Shorthand

**Tactics**

*See also* Artillery drill and tactics; Cavalry  
drill and tactics; Drill (military); Infantry  
drill and tactics; Military art and science;  
Military maneuvers; Naval tactics; War  
games

Taiping rebellion *see* Taiping rebellion

**Tailoring**

*See also* Dressmaking; Tailors

**Tailors**

**Taiping rebellion**

*See also* China — History

**Taj Mahal**

*Refer from* Art; Cross; Devices; Emblems;  
Religion

*Refer from* French literature; Idealism in  
literature; Literature; Symbolism

*Refer from* Esthetics; Proportion (art)

*Refer from* Compassion (s); Emotions;  
Ethics; Friendship

*Refer from* Instrumental music; Music;  
Music — Scores; Orchestral music

*Refer from* Antonyms (s); Language; Words

*Refer from* Dictionaries, English; English  
language; English language — Synonyms (s);  
English synonyms (s); Synonyms and anto-  
nyms

*Refer from* Sirups (s); Sugar

*Refer from* Catering; Cookery; Dinners  
and dining; Eating; Food; Home economics;  
Meals (s); Menus

*Refer from* Anecdotes; Aphorisms (s);  
Apothegms (s); Biography; Conversation;  
Epigrams; Humor; Sayings (s); Talking (s)

*Refer from* Amateur theatricals; Amuse-  
ments; Drama; Entertainments

*Refer from* Calculating machines; Census;  
Machinery; Statistics

*Refer from* Artillery drill and tactics; Cavalry  
drill and tactics; Drill (military); Infantry  
drill and tactics; Military art and science;  
Military maneuvers; Military tactics (s)

*Refer from* Clothing; Cutting (s); Dress-  
making; Fashion; Garment cutting; Needle-  
work

*Refer from* Biography; Tailoring

*Refer from* China — History; Taiping re-  
bellion (s)

*Refer from* Architecture, Oriental; Tombs



**Takigraphy** *see* Shorthand

**Talent**

*See also* Ability; Genius

**Talismans** *see* Amulets; Charms

**Talking** *see* Conversation; Table-talk

**Talking machines** *see* Phonograph

**Tall buildings** *see* High buildings

**Talmud**

**Tambourine drill** *see* Drills and marches

**Tamil language and literature**

*See also* Dravidian languages; Oriental literature

**Tammany Hall**

*See also* New York (city) — Government and politics

**Tamil language and literature** *see* Tamil language and literature

**Tanning**

*See also* Hides and skins; Leather

**Taoism**

*See also* China — Religion; Philosophy, Chinese

**Taoism** *see* Taoism

**Tapestry**

*See also* Bayeux tapestry; Drapery; Gobelin tapestry

**Target practice**

*See also* Gunnery; Rifle practice

**Tariff**

*See also* Balance of trade; Commerce; Commercial treaties; Corn laws; Drawbacks; Economics; Reciprocity; Smuggling; Tariff question; Taxation; Warehouses

— **U. S.**

*See also* U. S. — Revenue

**Tariff question**

*See also* Balance of trade; Economics; Reciprocity; Supply and demand

— **Free Trade**

— **Protection**

**Tartans**

*See also* Clans

**Tartars**

*See also* China — History; Manchuria; Mongols

**Taste (esthetics)** *see* Esthetics

**Taste (sense)**

*See also* Senses and sensation

*Refer from* Ability; Genius; Intellect

*Refer from* Bible — Old Testament; Hebrew literature; Jewish literature; Jews — Religion; Sacred books

*Refer from* Dravidian languages; Oriental languages; Oriental literature; Tamil language and literature (s)

*Refer from* Democratic party; New York (city) — Government and politics

*Refer from* Hides and skins; Industrial arts; Leather

*Refer from* China — Religion; Confucianism; Philosophy; Philosophy, Chinese; Religions; Taoism (s)

*Refer from* Arts and crafts; Decoration and ornament; Drapery; House decoration; Mural painting and decoration; Needlework; Textile design; Textile industry and fabrics; Wall paper

*Refer from* Artillery drill and tactics; Firearms; Gunnery; Infantry drill and tactics; Military art and science; Naval art and science; Rifle practice; Shooting

*Refer from* Balance of trade; Commerce; Commercial treaties; Customs (s); Duties (s); Economics; Exportation (s); Exports (s); Finance; Imports (s); Revenue (s); Taxation; Trade (s)

*Refer from* Taxation — U. S.; U. S. — Commerce; U. S. — Economic conditions; U. S. — Finance; U. S. — Politics; U. S. — Revenue; U. S. — Tariff (s)

*Refer from* Balance of trade; Campaign literature; Commerce; Economics; Free trade (s); Protection (s); Reciprocity; Tariff; U. S. — Politics

*Refer from* Clans; Costume — Scotland; Highlands of Scotland; Plaids (s); Scotch plaids (s)

*Refer from* China — History; Manchuria; Mongols; Tartars (s)

*Refer from* Senses and sensation





Tatars *see* Tartars

Tattooing

Taverns *see* Hotels; Inns

### Taxation

*See also* Absenteeism; Appraising; Corporations — Taxation; Danegeld; Economics; Finance; Income tax; Inheritance and transfer tax; Internal revenue laws; Municipal finance; Poll tax; Railroads — Taxation; Scutage; Single tax; Stamp duties; Tariff; Taxation, Progressive; Tithes; Tobacco — Taxation; Unearned increment

#### —Exemption from

*See also* Church property

#### —Progressive

*See also* Income tax; Inheritance and transfer tax

#### —U. S.

*See also* Boston tea party, 1773; Tariff — U. S.; U. S. — Revenue

### Taxidermy

#### Tea

*See also* Beverages; Boston tea party, 1773

### Teachers

*See also* Education; Educational associations; Educators; Normal schools; School superintendents and principals; Teachers' institutes; Teaching

#### —Certificates, *see* Teachers — Examinations and certificates

#### —Examinations and certificates

#### —Pensions, *see* Teachers — Salaries, pensions, etc.

#### —Salaries, pensions, etc.

#### —Training

*See also* Normal schools; Teachers' institutes

Teachers' certificates *see* Teachers — Examinations and certificates

Teachers' examinations *see* Teachers — Examinations and certificates

#### Teachers' institutes

*See also* Teachers — Training

Teachers' pensions *see* Teachers — Salaries, pensions, etc.

Teachers' salaries *see* Teachers — Salaries, pensions, etc.

### Teaching

*See also* Busy work; Child study; Corporal punishment; Curriculum; Education; Ex-

*Refer from* Ethnology; Manners and customs

*Refer from* Appraising; Assessment (s); Direct taxation (s); Economics; Finance; Government; Income tax; Inheritance and transfer tax; Internal revenue (s); Land; Land tenure; Personal property; Property; Real estate; Revenue (s); Tariff

*Refer from* Church and state; Church finance; Church property; Colleges and universities; Exemption from taxation (s); Libraries; Private schools

*Refer from* Graduated taxation (s); Income tax; Inheritance and transfer tax; Progressive taxation (s); Proportional taxation (s); Taxation

*Refer from* U. S. — Economic conditions; U. S. — Finance; U. S. — Revenue; U. S. — Taxation (s)

*Refer from* Animals; Birds; Natural history; Zoology

*Refer from* Agricultural products; Agriculture — Tropics; Beverages; Stimulants

*Refer from* Biography; Education; Educators; Public schools; Schoolmasters (s); Teaching

*Refer from* Certificates, Teachers' (s); Examinations; Teachers — Certificates (s); Teachers' certificates (s); Teachers' examinations (s)

*Refer from* Civil service pensions; Pensions; Salaries; Teachers — Pensions (s); Teachers' pensions (s); Teachers' salaries (s)

*Refer from* Normal schools; Teachers' institutes; Teaching

*Refer from* Institutes, Teachers' (s); Summer schools; Teachers; Teachers — Training; Teaching

*Refer from* Didactics (s); Education; Instruction (s); Pedagogy (s); Professions;



**Teaching** — Continued

aminations; Kindergarten; Memory; Nature study; Object teaching; Psychology, Educational; Quincy system; School grading and promotions; School management; Seminary method; Story-telling; Study; Teachers; Teachers — Training; Teachers' institutes; *also* subhead Study and teaching under various subjects

— **Departmental system**

Technical chemistry *see* Chemistry, Technical  
Technical dictionaries

**Technical education**

*See also* Apprentices; Correspondence schools and courses; Foremen's schools; Forestry schools and education; Industrial education; Manual training; Mechanics' institutes; Mining schools and education; Professional education; Trade schools; Vocational education; *also* subhead Study and teaching under various subjects, e.g. Engineering — Study and teaching

**Technology**

*See also* Chemistry, Technical; Engineering; Industrial arts, and references under that subject; Manufactures; Metallurgy; Photography; Technical dictionaries; Technical education

**Teeth**

*See also* Dentistry

Tectotalism *see* Temperance

**Telautograph**

**Telegraph**

*See also* Cables, Submarine; Electric wire and wiring; Poles; Postal telegraph; Telautograph; Telegraph codes; Telephotography; Train despatching; Wireless telegraphy

— Postal, *see* Postal telegraph

— Submarine, *see* Cables, Submarine

— Wireless, *see* Wireless telegraphy

**Telegraph codes**

Telegraph poles *see* Poles

Telegraphic codes *see* Telegraph codes

Telegraphy *see* Telegraph

**Teleology**

*See also* Creation; Evolution; God; Metaphysics; Natural religion

Telepathy *see* Mind reading; Thought transference

**Telephone**

*See also* Electric wire and wiring; Microphone; Poles; Switchboards; Telephonograph

— **Wireless**

Telephone poles *see* Poles

**Telephonograph**

Telephony *see* Telephone

Public schools; School management; School teaching (s); Teachers; Training

*Refer from* Departmental system of teaching (s)

*Refer from* Dictionaries; Industrial arts; Technology

*Refer from* Education; Education, Higher (s); Education, Technical (s); Higher education (s); Industrial arts; Industrial education; Manual training; Polytechnic schools (s); Professional education; Science — Study and teaching; Technology; Vocational education

*Refer from* Applied science (s); Industrial arts; Manufactures; Science

*Refer from* Anatomy; Beauty, Personal; Dentistry; Digestive system; Mouth; Odontology (s)

*Refer from* Electric engineering; Telegraph

*Refer from* Ciphers; Communication; Electric engineering; Electric telegraph (s); Electricity; Public service corporations; Signals; Telegraphy (s)

*Refer from* Cable codes (s); Cipher codes (s); Ciphers; Codes, Telegraphic (s); Commerce; Communication; Telegraph; Telegraphic codes (s)

*Refer from* Causation; Creation; Design, Argument for (s); Evolution; Final cause (s); God; Metaphysics; Philosophy; Theology; Universe

*Refer from* Communication; Electric engineering; Electricity; Public service corporations; Sound; Telephony (s)

*Refer from* Wireless telephony (s)

*Refer from* Phonograph; Telephone



**Telephotography****Telescope**

*See also* Astronomical instruments

**Telpherage**

*See also* Cableways; Conveying machinery

**Temperament**

*See also* Character; Melancholy; Nervous system

**Temperance**

*See also* Alcohol; Alcohol — Physiological effects; Alcoholism; Beverages; Canteens (army); Drinking customs; Liquor laws; Liquor problem; Liquor traffic; Liquors, and names of liquors; Local option; Narcotic habit; Opium; Prohibition; Smoking; Stimulants; Tobacco

**Temperature**

*See also* Animal heat; Boiling points; Climate; Cold; Earth — Temperature; Heat; Melting points; Meteorology; Plants, Effect of temperature on

**Templars**

*See also* Chivalry. For the modern order *see* Freemasons — Templars

**Temples**

*See also* Architecture, Oriental; Church architecture; Mosques

Temporal power of the pope *see* Popes — Temporal power

**Temptation**

*See also* Evil; Fall of man; Jesus Christ — Temptation; Sin

Ten commandments *see* Commandments

Ten-hour day *see* Hours of labor

Ten pins *see* Bowling

Ten tribes of Israel *see* Jews — Lost tribes

Tenants *see* Landlord and tenant

**Tenement houses**

*See also* Apartment houses; Architecture, Domestic; Housing problem; Lodging houses; Poor; Slums

**Tennis**

*See also* Ping-pong; Rackets (game)

Tenpins *see* Bowling

**Tents**

*See also* Camping

Tenure of land *see* Land tenure

Tenure of office *see* Civil service

Teratology *see* Deformities; Monsters

Terminology *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature

**Terra cotta**

*See also* Pottery; Tiles

Terrariums *see* Vivariums

*Refer from* Photography; Telegraph

*Refer from* Astronomical instruments; Optical instruments; Reflecting telescope (s)

*Refer from* Cableways; Conveying machinery; Electricity; Suspended railways; Transportation

*Refer from* Character; Nervous system; Pathology; Psychology

*Refer from* Abstinence (s); Alcohol; Alcoholism; Beverages; Conduct of life; Drinking customs; Drunkenness (s); Ethics; Food; Hygiene; Inebriates (s); Intemperance (s); Intoxication (s); Liquor problem; Liquor traffic; Liquors; Prohibition; Saloons (s); Sociology; Stimulants; Teetotalism (s); Total abstinence (s); Wine

*Refer from* Climate; Cold; Heat; Meteorology

*Refer from* Chivalry; Freemasons — Templars; Knights and knighthood; Knights templars (military order) (s); Order of the temple (s); Religious orders; Secret societies

*Refer from* Archaeology; Architecture; Architecture, Ancient; Architecture, Greek; Architecture, Oriental; Church architecture; Religious architecture (s)

*Refer from* Ethics; Evil; Sin; Theology

*Refer from* Apartment houses; Architecture, Domestic; Building laws; Housing problem; Hygiene, Public; Landlord and tenant; Municipal improvement; Poor; Slums

*Refer from* Games; Lawn tennis (s)

*Refer from* Camping; Military art and science

*Refer from* Building materials; Decoration and ornament; Pottery



**Terrestrial magnetism** *see* Magnetism, Terrestrial

**Territories** (U. S.) *see* U. S. — Territories

**Terror, Reign of,** *see* French revolution

**Tertiary period** *see* Geology, Stratigraphic — Tertiary; Paleontology — Tertiary

**Testimony** *see* Evidence

**Testing** *see* Strength of materials; *also* subject tested, e.g. Boilers — Testing; Electric testing

**Tetanus**

*See also* Antitoxins

**Teutonic knights**

*See also* Prussia — History

**Teutonic languages** *see* Germanic languages

**Teutonic mythology** *see* Mythology, Germanic

**Teutonic order** *see* Teutonic knights

**Teutonic race**

*See also* Anglo-Saxons; Aryans; Franks; Goths; Vandals

**Teutons** *see* Teutonic race

**Text-books** *see* Textbooks

**Textbooks**

*See also* Primers; Readers; Spellers

**Textile design**

*See also* Tapestry

**Textile fabrics** *see* Textile industry and fabrics

**Textile factories**

*See also* Looms; Textile industry and fabrics

**Textile fibers** *see* Fibers

**Textile industry and fabrics**

*See also* Blankets; Bleaching; Calico printing; Carpets; Chemistry, Technical; Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Dyes and dyeing; Embroidery; Fibers; Flax; Hosiery; Khaki; Linen; Mercerization; Rugs; Shawls; Silk; Spinning; Tapestry; Textile design; Textile factories; Underwear; Waterproofing; Weaving; Wool; Woolen manufacture; Worsted; Yarn

**Thalassography** *see* Hydrography; Marine biology; Ocean

**Thanksgiving day**

**Theater**

*See also* Acting; Actors; Amateur theatricals; Ballet; Drama; Make-up, Theatrical; Masques (plays); Minstrel shows; Miracle, morality and mystery plays; Moving pictures; Opera; Pantomime; Passion plays; Puppet plays; Scene painting; Shakespeare, William — Stage presentation; Theaters; Vaudeville

*Refer from* Lockjaw (s); Medicine — Practice; Trismus (s)

*Refer from* Chivalry; Knights and knighthood; Knights of the cross (s); Middle ages — History; Order of Teutonic knights (s); Poland — History; Prussia — History; Religious orders; Teutonic order (s)

*Refer from* Anglo-Saxons; Aryans; Civilization; Germanic race (s); Teutons (s)

*Refer from* Books; Education; School books (s); Text-books (s)

*Refer from* Calico printing; Decoration and ornament; Design, Decorative; Textile industry and fabrics

*Refer from* Cotton — Cultivation and manufacture; Cotton mills (s); Factories; Mills and millwork; Textile industry and fabrics; Woolen manufacture; Woolen mills (s)

*Refer from* Chemistry, Technical; Cloth (s); Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Fibers; Industrial arts; Linen; Manufactures; Silk; Spinning; Textile fabrics (s); Textile factories; Weaving; Wool; Woolen manufacture; Worsted; Yarn

*Refer from* Fast and feasts; Holidays; New England — Social life and customs; Pilgrim fathers; Puritans; U. S. — Social life and customs

*Refer from* Acting; Actors; Amusements; Drama; Entertainments; Ethics; Histriionics (s); Stage (s); Theatre (s); Vaudeville





## **Theater** — Continued

### **— U. S.**

*See also* American drama; Dramatists, American

Theater buildings *see* Theaters

Theater fires *see* Fires; Theaters

**Theaters** [buildings]

*See also* Music halls; *also* names of cities, subhead Theaters

Theatre *see* Theater

Theatrical make-up *see* Make-up, Theatrical

Theatricals, Amateur, *see* Amateur theatricals

Theft *see* Larceny; *also* Embezzlement

### **Theism**

*See also* Atheism; Christianity; Deism; God; Natural religion; Theology

Theme-writing *see* Rhetoric

### **Theocracy**

Theodicy *see* God

Theological education *see* Theological schools;

Theology — Study and teaching

### **Theological schools**

*See also* Theology — Study and teaching

## **Theology** [including the Christian doctrines.

For history of religion *see* Religions.

For Christian evidences *see* Christianity — Evidences]

*See also* Absolute, The; Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic canons; Apostolic constitutions; Apostolic succession; Arminianism; Atonement; Authority (in religion); Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Eschatology; Ethics; Evil; Faith; Fall of man; Fanaticism; Fathers of the church; Free religion; Freedom of the will; Future life; Future punishment; God; Grace (theology); Heaven; Hell; Heresy; Holy Spirit; Incarnation; Infallibility; Inspiration; Jesus Christ; Judgment day; Justification; Kingdom of God; Liberalism; Liberty of conscience; Lord's supper; Manicheism; Mass; Materialism; Millennium; Miracles; Modernism; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Pelagianism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Providence; Purgatory; Quietism; Rationalism; Regeneration (theology); Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Sanctification; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Teleology; Temptation; Theism; Theological schools; Transcendentalism; Transubstantiation; Trinity; Worship; *also* names of sects, and headings beginning Christian

*Refer from* American drama; U. S. — Theater (s)

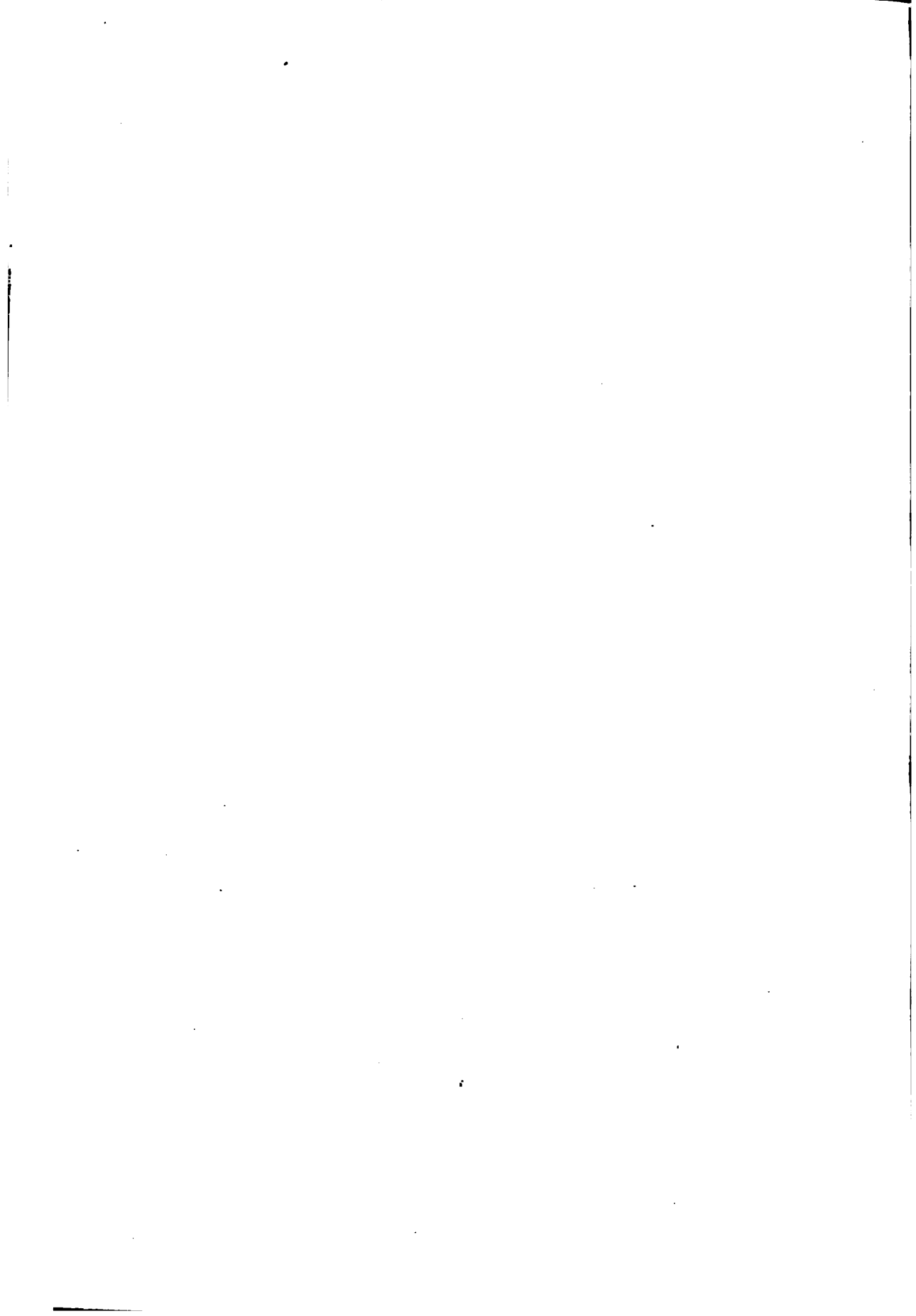
*Refer from* Architecture; Opera houses (s); Theater; Theater buildings (s); Theater fires (s)

*Refer from* Atheism; Christianity; Deism; God; Philosophy; Religion; Theology

*Refer from* God; Government

*Refer from* Divinity schools (s); Education; Theological education (s); Theology; Theology — Study and teaching

*Refer from* Bible; Bible — Theology (s); Biblical theology (s); Christian doctrine (s); Christianity; Church history; Creation; Divinity (s); Doctrinal theology (s); Doctrines (s); Dogmatic theology (s); Faith; God; Natural religion; Philosophy; Religion; Revelation; Science; Sociology; Supernatural; Theism



**Theology** — Continued

- Natural, *see* Natural religion
- Pastoral, *see* Clergy; Pastoral work
- Practical, *see* Christian life and character
- Study and teaching

*See also* Religious education; Theological schools

Theory of errors *see* Errors, Theory of

Theory of groups *see* Groups, Theory of

Theory of potential *see* Potential, Theory of

**Theosophy**

*See also* Cabala; Neoplatonism; Vedanta; Yoga

*Refer from* Church and education; Professional education; Religious education; Theological education (s); Theological schools

*Refer from* Buddhism; Buddhism, Esoteric (s); Esoteric Buddhism (s); Occult sciences; Philosophy; Religion; Religions; Vedanta

Therapeutic gymnastics *see* Gymnastics, Medical

**Therapeutics**

*See also* Anesthetics; Antiseptics; Antitoxins; Baths and bathing; Bloodletting; Christian science; Climate; Cupping; Diet; Drugs, and names of drugs; Electrotherapeutics; Emmanuel movement; Exercise; Faith cure; First aid in illness and injury; Gold cure; Gymnastics, Medical; Homeopathy; Hydrotherapy; Inoculation; Massage; Materia medica; Mechanotherapy; Medicine; Medicine — Practice; Mental healing; Mineral waters; Narcotics; Nurses and nursing; Organotherapy; Osteopathy; Pathology; Pharmacy; Phototherapy; Poisons; Purgatives; Radiotherapy; Rest; Serum therapy; Stimulants; Suggestive therapeutics; Swedish movement cure; X rays

Thermal springs *see* Geysers and hot springs

Thermochemistry *see* Chemistry, Physical

**Thermodynamics**

*See also* Heat; Heat engines; Steam; Steam engines

**Thermometer**

*See also* Calorimeters and calorimetry; Meteorological instruments; Pyrometers and pyrometry

**Thieves**

*See also* Brigands and robbers; Burglary; Embezzlement; Larceny

Thieving *see* Larceny

Thinking *see* Thought and thinking

Thirty-nine articles *see* Church of England — Articles of religion

**Thirty years' war, 1618-1648**

*See also* Europe — History — 1492-1789; Germany — History — 1517-1740; Sweden — History

Thorough bass *see* Harmony

Thoroughfares *see* Roads; Streets

**Thought and thinking**

*See also* Attention; Intellect; Logic; Mental discipline; Philosophy; Psychology; Reason

**Thought transference**

*See also* Clairvoyance; Mind reading; Presentiments; Psychical research

*Refer from* Healing (s); Hygiene; Materia medica; Medicine; Medicine — Practice; Pathology; Remedies (in medicine) (s)

*Refer from* Chemistry, Physical; Dynamics; Heat; Heat engines; Physics; Steam

*Refer from* Heat; Meteorological instruments; Physics

*Refer from* Biography; Brigands and robbers; Crime and criminals; Larceny

*Refer from* Counter-reformation; Europe — History — 1492-1789; Germany — History — 1517-1740; Reformation; Sweden — History

*Refer from* Intellect; Philosophy; Psychology; Psychology, Educational; Reason; Thinking (s)

*Refer from* Clairvoyance; Mind reading; Psychical research; Psychology; Suggestion; Telepathy (s)



**Theology**—Continued

- Natural, *see* Natural religion
- Pastoral, *see* Clergy; Pastoral work
- Practical, *see* Christian life and character
- Study and teaching  
*See also* Religious education; Theological schools

**Theory of errors** *see* Errors, Theory of

**Theory of groups** *see* Groups, Theory of

**Theory of potential** *see* Potential, Theory of

**Theosophy**

*See also* Cabala; Neoplatonism; Vedanta; Yoga

**Therapeutic gymnastics** *see* Gymnastics, Medical

**Therapeutics**

*See also* Anesthetics; Antiseptics; Antitoxins; Baths and bathing; Bloodletting; Christian science; Climate; Cupping; Diet; Drugs, and names of drugs; Electrotherapeutics; Emmanuel movement; Exercise; Faith cure; First aid in illness and injury; Gold cure; Gymnastics, Medical; Homeopathy; Hydrotherapy; Inoculation; Massage; Materia medica; Mechanotherapy; Medicine; Medicine—Practice; Mental healing; Mineral waters; Narcotics; Nurses and nursing; Organotherapy; Osteopathy; Pathology; Pharmacy; Phototherapy; Poisons; Purgatives; Radiotherapy; Rest; Serum therapy; Stimulants; Suggestive therapeutics; Swedish movement cure; X rays

**Thermal springs** *see* Geysers and hot springs

**Thermochemistry** *see* Chemistry, Physical

**Thermodynamics**

*See also* Heat; Heat engines; Steam; Steam engines

**Thermometer**

*See also* Calorimeters and calorimetry; Meteorological instruments; Pyrometers and pyrometry

**Thieves**

*See also* Brigands and robbers; Burglary; Embezzlement; Larceny

**Thieving** *see* Larceny

**Thinking** *see* Thought and thinking

**Thirty-nine articles** *see* Church of England — Articles of religion

**Thirty years' war, 1618-1648**

*See also* Europe — History — 1492-1789; Germany — History — 1517-1740; Sweden — History

**Thorough bass** *see* Harmony

**Thoroughfares** *see* Roads; Streets

**Thought and thinking**

*See also* Attention; Intellect; Logic; Mental discipline; Philosophy; Psychology; Reason

**Thought transference**

*See also* Clairvoyance; Mind reading

*Refer from* Church and education; Professional education; Religious education; Theological education (s); Theological schools

*Refer from* Buddhism; Buddhism, Esoteric (s); Esoteric Buddhism (s); Occult sciences; Philosophy; Religion; Religions; Vedanta

*Refer from* Healing (s); Hygiene; Materia medica; Medicine; Medicine—Practice; Pathology; Remedies (in medicine) (s)

*Refer from* Chemistry, Physical; Dynamics; Heat; Heat engines; Physics; Steam

*Refer from* Heat; Meteorological instruments; Physics

*Refer from* Biography; Brigands and robbers; Crime and criminals; Larceny

*Refer from* Counter-reformation; Europe — History — 1492-1789; Germany — History — 1517-1740; Reformation; Sweden — History

*Refer from* Intellect; Philosophy; Psychology; Psychology, Educational; Reason; Thinking (s)

*Refer from* Clairvoyance; Mind reading; Suggestion; ology; Suggestion;



Thremmatology *see* Breeding; Plant breeding

**Threshing**

**Thrift**

*See also* Benefit societies; Cost of living; Extravagance; Insurance; Insurance, Industrial; Investments; Misers; Old age pensions; Prudence; Savings banks; Standard of living

**Throat**

*See also* Bronchitis; Voice

**Throwing sticks**

**Thugs**

**Thunderstorms**

*See also* Lightning; Storms

**Tides**

*See also* Astronomy; Moon; Ocean

Ties, Railroad, *see* Railroads — Ties

**Tigers**

*See also* Carnivora

**Tiles**

*See also* Bricks; Clay industries; Pottery

**Tillage**

*See also* Agricultural physics; Agriculture; Dry farming; Plows; Soils

**Timber**

*See also* Building materials; Dry rot; Forests and forestry; Lumber and lumbering; Strength of materials; Trees; Wood

—Preservation, *see* Wood — Preservation

**Time**

*See also* Almanacs; Astronomy; Astronomy, Spherical and practical; Calendar; Chronograph; Chronology; Daylight saving; Days; Eternity; Timekeepers

Time, Reaction, *see* Reaction time

**Timekeepers**

*See also* Clocks and watches; Pendulums; Sundials

**Tin**

*See also* Bronze; Metals; Pewter; Tinsmithing

**Tinsmithing**

*See also* Sheet-metal work

Tintype *see* Ferrottype

**Tipping**

**Tires**

*See also* Automobiles; Wheels

Tissues *see* Histology

**Tithes**

*See also* Church finance; Church rates

**Title-pages**

*See also* Colophons; Titles of books

*Refer from* Agriculture; Grain

*Refer from* Conduct of life; Cost of living; Economics; Economy (s); Extravagance; Investments; Poor; Prudence; Saving (s); Savings banks; Standard of living; Success

*Refer from* Anatomy; Bronchitis; Respiratory organs; Sore throat (s); Voice

*Refer from* Arms and armor; Atlatl (s); Spear throwers (s)

*Refer from* Brigands and robbers; Crime and criminals; Crime and criminals — India; Murder; Phansigars (s)

*Refer from* Lightning; Meteorology; Storms

*Refer from* Astronomy; Hydrography; Moon; Ocean; Physical geography

*Refer from* Carnivora; Hunting

*Refer from* Bricks; Building materials; Clay industries; Pottery; Terra cotta

*Refer from* Agricultural physics; Agriculture; Cultivating (s); Dry farming; Harrowing (s); Plowing (s); Soils; Subsoiling (s)

*Refer from* Building materials; Forest products; Forests and forestry; Lumber and lumbering; Trees; Wood

*Refer from* Astronomy; Astronomy, Spherical and practical; Calendar; Chronology; Metaphysics; Philosophy; Standard time (s)

*Refer from* Clocks and watches; Horology (s); Machinery; Manufactures; Time

*Refer from* Metals; Mines and mineral resources; Sheet-metal work

*Refer from* Industrial arts; Sheet-metal work; Tin

*Refer from* Manners and customs; Servants; Travel; Waiters

*Refer from* Automobiles; Bicycles and tricycles; Pneumatic tires (s); Rubber tires (s); Wheels

*Refer from* Church finance; Church law; Church of England — Finance; Church polity; Church rates; Taxation

*Refer from* Books; Colophons; Printing; Titles of books





**Titles (land)** *see* Land titles

**Titles of books**

*See also* Copyright; Title-pages

**Titles of honor and nobility**

*See also* Decorations of honor; Degrees, Academic; Heraldry; Peerage

**Titration** *see* Chemistry — Analysis

**Toads**

*See also* Amphibia; Frogs

**Toadstools** *see* Mushrooms

**Toasts**

*See also* After-dinner speeches

**Tobacco**

*See also* Cigarettes; Cigars; Pipes, Tobacco; Smoking; Snuff

— **Cultivation**

— **Diseases and pests**

— **Manufacture and trade**

*See also* Tobacco — Taxation

— **Pests**, *see* Tobacco — Diseases and pests

— **Physiological effects**

*See also* Smoking

— **Taxation**

— **Trade**, *see* Tobacco — Manufacture and trade

**Tobacco pipes** *see* Pipes, Tobacco

**Tobogganing**

*See also* Coasting; Winter sports

**Toes** *see* Foot

**Toilet**

*See also* Baths and bathing; Beauty, Personal; Cosmetics; Costume; Hairdressing; Manicuring; Perfumery

**Toleration** *see* Liberty of conscience; Religious liberty

**Toltecs**

*See also* Aztecs; Indians of Mexico; Mexico — Antiquities

**Tombs**

*See also* Brasses; Burial; Catacombs; Cemeteries; Cromlechs; Crypts; Epitaphs; Holy sepulcher; Monuments; Mounds and mound builders; Sarcophagi; Taj Mahal; Tombstones; Vaults

**Tombstones**

*See also* Epitaphs; Monuments

**Tonic sol-fa**

**Tool steel**

**Tools**

*See also* Bone implements; Carpentry; Farm implements and machinery; Files and rasps; Implements, utensils, etc.; Indians — Implements and weapons; Machine tools; Machinery; Saws; Square (instrument); Stone implements; Tool steel

**Topiary work**

*Refer from* Bibliography; Book titles (s); Books; Cataloging; Copyright; Title-pages

*Refer from* Decorations of honor; Heraldry; Honorary titles (s); Peerage

*Refer from* Amphibia; Frogs

*Refer from* After-dinner speeches; Dinners and dining; Drinking customs; Epigrams; Healths, Drinking of (s); Manners and customs

*Refer from* Agricultural products; Agriculture — Tropics; Cigars; Narcotics; Pipes, Tobacco; Smoking; Temperance

*Refer from* Agricultural pests; Plants — Diseases; Tobacco — Pests (s)

*Refer from* Manufactures; Tobacco — Trade (s)

*Refer from* Hygiene; Smoking

*Refer from* Taxation; Tobacco — Manufacture and trade

*Refer from* Coasting; Sports; Winter sports

*Refer from* Beauty, Personal; Clothing; Cosmetics; Costume; Hairdressing

*Refer from* Aztecs; Indians of Mexico; Mexico — Antiquities

*Refer from* Archaeology; Architecture; Burial; Cemeteries; Christian antiquities; Crypts; Graves (s); Mausoleums (s); Monuments; Rock tombs (s); Sepulchers (s); Vaults

*Refer from* Epitaphs; Gravestones (s); Headstones (s); Monuments; Tombs

*Refer from* Music — Notation; Sight reading; Singing and voice culture; Sol-fa system (s)

*Refer from* Machine tools; Steel; Tools

*Refer from* Carpentry; Hardware; Implements, utensils, etc.; Industrial arts; Instruments; Machinery

*Refer from* Landscape gardening; Shrubs; Trees



Terrestrial magnetism *see* Magnetism, Terrestrial

Territories (U. S.) *see* U. S. — Territories

Terror, Reign of, *see* French revolution

Tertiary period *see* Geology, Stratigraphic — Tertiary; Paleontology — Tertiary

Testimony *see* Evidence

Testing *see* Strength of materials; *also* subject tested, e.g. Boilers — Testing; Electric testing

**Tetanus**

*See also* Antitoxins

**Teutonic knights**

*See also* Prussia — History

Teutonic languages *see* Germanic languages

Teutonic mythology *see* Mythology, Germanic

Teutonic order *see* Teutonic knights

**Teutonic race**

*See also* Anglo-Saxons; Aryans; Franks; Goths; Vandals

Teutons *see* Teutonic race

Text-books *see* Textbooks

**Textbooks**

*See also* Primers; Readers; Spellers

**Textile design**

*See also* Tapestry

Textile fabrics *see* Textile industry and fabrics

**Textile factories**

*See also* Looms; Textile industry and fabrics

Textile fibers *see* Fibers

**Textile industry and fabrics**

*See also* Blankets; Bleaching; Calico printing; Carpets; Chemistry, Technical; Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Dyes and dyeing; Embroidery; Fibers; Flax; Hosiery; Khaki; Linen; Mercerization; Rugs; Shawls; Silk; Spinning; Tapestry; Textile design; Textile factories; Underwear; Waterproofing; Weaving; Wool; Woolen manufacture; Worsted; Yarn

Thalassography *see* Hydrography; Marine biology; Ocean

**Thanksgiving day**

**Theater**

*See also* Acting; Actors; Amateur theatricals; Ballet; Drama; Make-up, Theatrical; Masques (plays); Minstrel shows; Miracle, morality and mystery plays; Moving pictures; Opera; Pantomime; Passion plays; Puppet plays; Scene painting; Shakespeare, William — Stage presentation; Theaters; Vaudeville

*Refer from* Lockjaw (s); Medicine — Practice; Trismus (s)

*Refer from* Chivalry; Knights and knight-hood; Knights of the cross (s); Middle ages — History; Order of Teutonic knights (s); Poland — History; Prussia — History; Religious orders; Teutonic order (s)

*Refer from* Anglo-Saxons; Aryans; Civilization; Germanic race (s); Teutons (s)

*Refer from* Books; Education; School books (s); Text-books (s)

*Refer from* Calico printing; Decoration and ornament; Design, Decorative; Textile industry and fabrics

*Refer from* Cotton — Cultivation and manufacture; Cotton mills (s); Factories; Mills and millwork; Textile industry and fabrics; Woolen manufacture; Woolen mills (s)

*Refer from* Chemistry, Technical; Cloth (s); Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Fibers; Industrial arts; Linen; Manufactures; Silk; Spinning; Textile fabrics (s); Textile factories; Weaving; Wool; Woolen manufacture; Worsted; Yarn

*Refer from* Fasts and feasts; Holidays; New England — Social life and customs; Pilgrim fathers; Puritans; U. S. — Social life and customs

*Refer from* Acting; Actors; Amusements; Drama; Entertainments; Ethics; Histriionics (s); Stage (s); Theatre (s); Vaudeville



**Takigraphy** *see* Shorthand

**Talent**

*See also* Ability; Genius

**Talismans** *see* Amulets; Charms

**Talking** *see* Conversation; Table-talk

**Talking machines** *see* Phonograph

**Tall buildings** *see* High buildings

**Talmud**

**Tambourine drill** *see* Drills and marches

**Tamil language and literature**

*See also* Dravidian languages; Oriental literature

**Tammany Hall**

*See also* New York (city) — Government and politics

**Tamul language and literature** *see* Tamil language and literature

**Tanning**

*See also* Hides and skins; Leather

**Taoism**

*See also* China — Religion; Philosophy, Chinese

**Taoism** *see* Taoism

**Tapestry**

*See also* Bayeux tapestry; Drapery; Gobelin tapestry

**Target practice**

*See also* Gunnery; Rifle practice

**Tariff**

*See also* Balance of trade; Commerce; Commercial treaties; Corn laws; Drawbacks; Economics; Reciprocity; Smuggling; Tariff question; Taxation; Warehouses

— **U. S.**

*See also* U. S. — Revenue

**Tariff question**

*See also* Balance of trade; Economics; Reciprocity; Supply and demand

— **Free Trade**

— **Protection**

**Tartans**

*See also* Clans

**Tartars**

*See also* China — History; Manchuria; Mongols

**Taste (esthetics)** *see* Esthetics

**Taste (sense)**

*See also* Senses and sensation

*Refer from* Ability; Genius; Intellect

*Refer from* Bible — Old Testament; Hebrew literature; Jewish literature; Jews — Religion; Sacred books

*Refer from* Dravidian languages; Oriental languages; Oriental literature; Tamil language and literature (s)

*Refer from* Democratic party; New York (city) — Government and politics

*Refer from* Hides and skins; Industrial arts; Leather

*Refer from* China — Religion; Confucianism; Philosophy; Philosophy, Chinese; Religions; Taoism (s)

*Refer from* Arts and crafts; Decoration and ornament; Drapery; House decoration; Mural painting and decoration; Needlework; Textile design; Textile industry and fabrics; Wall paper

*Refer from* Artillery drill and tactics; Firearms; Gunnery; Infantry drill and tactics; Military art and science; Naval art and science; Rifle practice; Shooting

*Refer from* Balance of trade; Commerce; Commercial treaties; Customs (s); Duties (s); Economics; Exportation (s); Exports (s); Finance; Imports (s); Revenue (s); Taxation; Trade (s)

*Refer from* Taxation — U. S.; U. S. — Commerce; U. S. — Economic conditions; U. S. — Finance; U. S. — Politics; U. S. — Revenue; U. S. — Tariff (s)

*Refer from* Balance of trade; Campaign literature; Commerce; Economics; Free trade (s); Protection (s); Reciprocity; Tariff; U. S. — Politics

*Refer from* Clans; Costume — Scotland; Highlands of Scotland; Plaids (s); Scotch plaids (s)

*Refer from* China — History; Manchuria; Mongols; Tartars (s)

*Refer from* Senses and sensation



Tatars *see* Tartars

Tattooing

Taverns *see* Hotels; Inns

### Taxation

*See also* Absenteeism; Appraising; Corporations — Taxation; Danegeld; Economics; Finance; Income tax; Inheritance and transfer tax; Internal revenue laws; Municipal finance; Poll tax; Railroads — Taxation; Scutage; Single tax; Stamp duties; Tariff; Taxation, Progressive; Tithes; Tobacco — Taxation; Unearned increment

#### —Exemption from

*See also* Church property

#### —Progressive

*See also* Income tax; Inheritance and transfer tax

#### —U. S.

*See also* Boston tea party, 1773; Tariff — U. S.; U. S. — Revenue

### Taxidermy

### Tea

*See also* Beverages; Boston tea party, 1773

### Teachers

*See also* Education; Educational associations; Educators; Normal schools; School superintendents and principals; Teachers' institutes; Teaching

#### —Certificates, *see* Teachers — Examinations and certificates

#### —Examinations and certificates

#### —Pensions, *see* Teachers — Salaries, pensions, etc.

#### —Salaries, pensions, etc.

#### —Training

*See also* Normal schools; Teachers' institutes

Teachers' certificates *see* Teachers — Examinations and certificates

Teachers' examinations *see* Teachers — Examinations and certificates

#### Teachers' institutes

*See also* Teachers — Training

Teachers' pensions *see* Teachers — Salaries, pensions, etc.

Teachers' salaries *see* Teachers — Salaries, pensions, etc.

### Teaching

*See also* Busy work; Child study; Corporal punishment; Curriculum; Education; Ex-

*Refer from* Ethnology; Manners and customs

*Refer from* Appraising; Assessment (s); Direct taxation (s); Economics; Finance; Government; Income tax; Inheritance and transfer tax; Internal revenue (s); Land; Land tenure; Personal property; Property; Real estate; Revenue (s); Tariff

*Refer from* Church and state; Church finance; Church property; Colleges and universities; Exemption from taxation (s); Libraries; Private schools

*Refer from* Graduated taxation (s); Income tax; Inheritance and transfer tax; Progressive taxation (s); Proportional taxation (s); Taxation

*Refer from* U. S. — Economic conditions; U. S. — Finance; U. S. — Revenue; U. S. — Taxation (s)

*Refer from* Animals; Birds; Natural history; Zoology

*Refer from* Agricultural products; Agriculture — Tropics; Beverages; Stimulants

*Refer from* Biography; Education; Educators; Public schools; Schoolmasters (s); Teaching

*Refer from* Certificates, Teachers' (s); Examinations; Teachers — Certificates (s); Teachers' certificates (s); Teachers' examinations (s)

*Refer from* Civil service pensions; Pensions; Salaries; Teachers — Pensions (s); Teachers' pensions (s); Teachers' salaries (s)

*Refer from* Normal schools; Teachers' institutes; Teaching

*Refer from* Institutes, Teachers' (s); Summer schools; Teachers; Teachers — Training; Teaching

*Refer from* Didactics (s); Education; Instruction (s); Pedagogy (s); Professions;





**Teaching** — Continued

aminations; Kindergarten; Memory; Nature study; Object teaching; Psychology, Educational; Quincy system; School grading and promotions; School management; Seminary method; Story-telling; Study; Teachers; Teachers — Training; Teachers' institutes; *also* subhead Study and teaching under various subjects

— **Departmental system**

Technical chemistry *see* Chemistry, Technical  
**Technical dictionaries**

**Technical education**

*See also* Apprentices; Correspondence schools and courses; Foremen's schools; Forestry schools and education; Industrial education; Manual training; Mechanics' institutes; Mining schools and education; Professional education; Trade schools; Vocational education; *also* subhead Study and teaching under various subjects, e.g. Engineering — Study and teaching

**Technology**

*See also* Chemistry, Technical; Engineering; Industrial arts, and references under that subject; Manufactures; Metallurgy; Photography; Technical dictionaries; Technical education

**Teeth**

*See also* Dentistry

Tectotalism *see* Temperance

**Telautograph**

**Telegraph**

*See also* Cables, Submarine; Electric wire and wiring; Poles; Postal telegraph; Telautograph; Telegraph codes; Telephotography; Train despatching; Wireless telegraphy

— Postal, *see* Postal telegraph

— Submarine, *see* Cables, Submarine

— Wireless, *see* Wireless telegraphy

**Telegraph codes**

Telegraph poles *see* Poles

Telegraphic codes *see* Telegraph codes

Telegraphy *see* Telegraph

**Teleology**

*See also* Creation; Evolution; God; Metaphysics; Natural religion

Telepathy *see* Mind reading; Thought transference

**Telephone**

*See also* Electric wire and wiring; Microphone; Poles; Switchboards; Telephonograph

— **Wireless**

Telephone poles *see* Poles

**Telephonograph**

Telephony *see* Telephone

Public schools; School management; School teaching (s); Teachers; Training

*Refer from* Departmental system of teaching (s)

*Refer from* Dictionaries; Industrial arts; Technology

*Refer from* Education; Education, Higher (s); Education, Technical (s); Higher education (s); Industrial arts; Industrial education; Manual training; Polytechnic schools (s); Professional education; Science — Study and teaching; Technology; Vocational education

*Refer from* Applied science (s); Industrial arts; Manufactures; Science

*Refer from* Anatomy; Beauty, Personal; Dentistry; Digestive system; Mouth; Odontology (s)

*Refer from* Electric engineering; Telegraph

*Refer from* Ciphers; Communication; Electric engineering; Electric telegraph (s); Electricity; Public service corporations; Signals; Telegraphy (s)

*Refer from* Cable codes (s); Cipher codes (s); Ciphers; Codes, Telegraphic (s); Commerce; Communication; Telegraph; Telegraphic codes (s)

*Refer from* Causation; Creation; Design, Argument for (s); Evolution; Final cause (s); God; Metaphysics; Philosophy; Theology; Universe

*Refer from* Communication; Electric engineering; Electricity; Public service corporations; Sound; Telephony (s)

*Refer from* Wireless telephony (s)

*Refer from* Phonograph; Telephone



**Telephotography****Telescope**

*See also* Astronomical instruments

**Telpherage**

*See also* Cableways; Conveying machinery

**Temperament**

*See also* Character; Melancholy; Nervous system

**Temperance**

*See also* Alcohol; Alcohol — Physiological effects; Alcoholism; Beverages; Canteens (army); Drinking customs; Liquor laws; Liquor problem; Liquor traffic; Liquors, and names of liquors; Local option; Narcotic habit; Opium; Prohibition; Smoking; Stimulants; Tobacco

**Temperature**

*See also* Animal heat; Boiling points; Climate; Cold; Earth — Temperature; Heat; Melting points; Meteorology; Plants; Effect of temperature on

**Templars**

*See also* Chivalry. For the modern order *see* Freemasons — Templars

**Temples**

*See also* Architecture, Oriental; Church architecture; Mosques

Temporal power of the pope *see* Popes — Temporal power

**Temptation**

*See also* Evil; Fall of man; Jesus Christ — Temptation; Sin

Ten commandments *see* Commandments

Ten-hour day *see* Hours of labor

Ten pins *see* Bowling

Ten tribes of Israel *see* Jews — Lost tribes

Tenants *see* Landlord and tenant

**Tenement houses**

*See also* Apartment houses; Architecture, Domestic; Housing problem; Lodging houses; Poor; Slums

**Tennis**

*See also* Ping-pong; Rackets (game)

Tenpins *see* Bowling

**Tents**

*See also* Camping

Tenure of land *see* Land tenure

Tenure of office *see* Civil service

Teratology *see* Deformities; Monsters

Terminology *see* Names; *also* under subject, e.g. Botany — Nomenclature; Medicine — Nomenclature; Zoology — Nomenclature

**Terra cotta**

*See also* Pottery; Tiles

Terrariums *see* Vivariums

*Refer from* Photography; Telegraph

*Refer from* Astronomical instruments; Optical instruments; Reflecting telescope (s)

*Refer from* Cableways; Conveying machinery; Electricity; Suspended railways; Transportation

*Refer from* Character; Nervous system; Pathology; Psychology

*Refer from* Abstinence (s); Alcohol; Alcoholism; Beverages; Conduct of life; Drinking customs; Drunkenness (s); Ethics; Food; Hygiene; Inebriates (s); Intemperance (s); Intoxication (s); Liquor problem; Liquor traffic; Liquors; Prohibition; Saloons (s); Sociology; Stimulants; Teetotalism (s); Total abstinence (s); Wine

*Refer from* Climate; Cold; Heat; Meteorology

*Refer from* Chivalry; Freemasons — Templars; Knights and knighthood; Knights templars (military order) (s); Order of the temple (s); Religious orders; Secret societies

*Refer from* Archaeology; Architecture; Architecture, Ancient; Architecture, Greek; Architecture, Oriental; Church architecture; Religious architecture (s)

*Refer from* Ethics; Evil; Sin; Theology

*Refer from* Apartment houses; Architecture, Domestic; Building laws; Housing problem; Hygiene, Public; Landlord and tenant; Municipal improvement; Poor; Slums

*Refer from* Games; Lawn tennis (s)

*Refer from* Camping; Military art and science

*Refer from* Building materials; Decoration and ornament; Pottery



**Terrestrial magnetism** *see* Magnetism, Terrestrial

**Territories (U. S.)** *see* U. S. — Territories

**Terror, Reign of,** *see* French revolution

**Tertiary period** *see* Geology, Stratigraphic — Tertiary; Paleontology — Tertiary

**Testimony** *see* Evidence

**Testing** *see* Strength of materials; *also* subject tested, e.g. Boilers — Testing; Electric testing

**Tetanus**

*See also* Antitoxins

**Teutonic knights**

*See also* Prussia — History

**Teutonic languages** *see* Germanic languages

**Teutonic mythology** *see* Mythology, Germanic

**Teutonic order** *see* Teutonic knights

**Teutonic race**

*See also* Anglo-Saxons; Aryans; Franks; Goths; Vandals

**Teutons** *see* Teutonic race

**Text-books** *see* Textbooks

**Textbooks**

*See also* Primers; Readers; Spellers

**Textile design**

*See also* Tapestry

**Textile fabrics** *see* Textile industry and fabrics

**Textile factories**

*See also* Looms; Textile industry and fabrics

**Textile fibers** *see* Fibers

**Textile industry and fabrics**

*See also* Blankets; Bleaching; Calico printing; Carpets; Chemistry, Technical; Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Dyes and dyeing; Embroidery; Fibers; Flax; Hosiery; Khaki; Linen; Mercerization; Rugs; Shawls; Silk; Spinning; Tapestry; Textile design; Textile factories; Underwear; Waterproofing; Weaving; Wool; Woolen manufacture; Worsted; Yarn

**Thalassography** *see* Hydrography; Marine biology; Ocean

**Thanksgiving day**

**Theater**

*See also* Acting; Actors; Amateur theatricals; Ballet; Drama; Make-up, Theatrical; Masques (plays); Minstrel shows; Miracle, morality and mystery plays; Moving pictures; Opera; Pantomime; Passion plays; Puppet plays; Scene painting; Shakespeare, William — Stage presentation; Theaters; Vaudeville

*Refer from* Lockjaw (s); Medicine — Practice; Trismus (s)

*Refer from* Chivalry; Knights and knighthood; Knights of the cross (s); Middle ages — History; Order of Teutonic knights (s); Poland — History; Prussia — History; Religious orders; Teutonic order (s)

*Refer from* Anglo-Saxons; Aryans; Civilization; Germanic race (s); Teutons (s)

*Refer from* Books; Education; School books (s); Text-books (s)

*Refer from* Calico printing; Decoration and ornament; Design, Decorative; Textile industry and fabrics

*Refer from* Cotton — Cultivation and manufacture; Cotton mills (s); Factories; Mills and millwork; Textile industry and fabrics; Woolen manufacture; Woolen mills (s)

*Refer from* Chemistry, Technical; Cloth (s); Clothing; Cotton; Cotton — Cultivation and manufacture; Dry goods; Fibers; Industrial arts; Linen; Manufactures; Silk; Spinning; Textile fabrics (s); Textile factories; Weaving; Wool; Woolen manufacture; Worsted; Yarn

*Refer from* Fasts and feasts; Holidays; New England — Social life and customs; Pilgrim fathers; Puritans; U. S. — Social life and customs

*Refer from* Acting; Actors; Amusements; Drama; Entertainments; Ethics; Histriionics (s); Stage (s); Theatre (s); Vaudeville



**Theater**—Continued

—U. S.

*See also* American drama; Dramatists, American

Theater buildings *see* Theaters

Theater fires *see* Fires; Theaters

**Theaters** [buildings]

*See also* Music halls; *also* names of cities, subhead Theaters

Theatre *see* Theater

Theatrical make-up *see* Make-up, Theatrical

Theatricals, Amateur, *see* Amateur theatricals

Theft *see* Larceny; *also* Embezzlement

**Theism**

*See also* Atheism; Christianity; Deism; God; Natural religion; Theology

Theme-writing *see* Rhetoric

**Theocracy**

Theodicy *see* God

Theological education *see* Theological schools;

Theology — Study and teaching

**Theological schools**

*See also* Theology — Study and teaching

**Theology** [including the Christian doctrines.

For history of religion *see* Religions.

For Christian evidences *see* Christianity — Evidences]

*See also* Absolute, The; Agnosticism; Angels; Annihilation; Antichrist; Antinomianism; Apostles; Apostolic canons; Apostolic constitutions; Apostolic succession; Arminianism; Atonement; Authority (in religion); Baptism; Belief; Bible; Calvinism; Catechisms; Celibacy; Christianity; Church; Church history; Church polity; Clergy; Confession; Confirmation; Conscience; Conversion; Creation; Creeds; Cross; Death; Deism; Depravity; Devil; Eschatology; Ethics; Evil; Faith; Fall of man; Fanaticism; Fathers of the church; Free religion; Freedom of the will; Future life; Future punishment; God; Grace (theology); Heaven; Hell; Heresy; Holy Spirit; Incarnation; Infallibility; Inspiration; Jesus Christ; Judgment day; Justification; Kingdom of God; Liberalism; Liberty of conscience; Lord's supper; Manicheism; Mass; Materialism; Millennium; Miracles; Modernism; Monotheism; Mysticism; Natural religion; Orthodoxy; Pantheism; Pelagianism; Penance; Philosophy; Plurality of worlds; Prayer; Predestination; Private judgment; Prophecies; Protestantism; Providence; Purgatory; Quietism; Rationalism; Regeneration (theology); Religion; Religion and science; Repentance; Resurrection; Revelation; Revivals; Sacraments; Sacrifice; Salvation; Sanctification; Second advent; Sects; Sermons; Sin; Skepticism; Socinianism; Soul; Spiritualism; Sunday; Teleology; Temptation; Theism; Theological schools; Transcendentalism; Transubstantiation; Trinity; Worship; *also* names of sects, and headings beginning Christian

*Refer from* American drama; U. S. — Theater (s)

*Refer from* Architecture; Opera houses (s); Theater; Theater buildings (s); Theater fires (s)

*Refer from* Atheism; Christianity; Deism; God; Philosophy; Religion; Theology

*Refer from* God; Government

*Refer from* Divinity schools (s); Education; Theological education (s); Theology; Theology — Study and teaching

*Refer from* Bible; Bible — Theology (s); Biblical theology (s); Christian doctrine (s); Christianity; Church history; Creation; Divinity (s); Doctrinal theology (s); Doctrines (s); Dogmatic theology (s); Faith; God; Natural religion; Philosophy; Religion; Revelation; Science; Sociology; Supernatural; Theism





**Theology**—Continued

- Natural, *see* Natural religion
- Pastoral, *see* Clergy; Pastoral work
- Practical, *see* Christian life and character
- Study and teaching**  
*See also* Religious education; Theological schools

Theory of errors *see* Errors, Theory of  
Theory of groups *see* Groups, Theory of  
Theory of potential *see* Potential, Theory of

**Theosophy**

*See also* Cabala; Neoplatonism; Vedanta;  
Yoga

Therapeutic gymnastics *see* Gymnastics, Medical

**Therapeutics**

*See also* Anesthetics; Antiseptics; Antitoxins; Baths and bathing; Bloodletting; Christian science; Climate; Cupping; Diet; Drugs, and names of drugs; Electrotherapeutics; Emmanuel movement; Exercise; Faith cure; First aid in illness and injury; Gold cure; Gymnastics, Medical; Homeopathy; Hydrotherapy; Inoculation; Massage; Materia medica; Mechanotherapy; Medicine; Medicine—Practice; Mental healing; Mineral waters; Narcotics; Nurses and nursing; Organotherapy; Osteopathy; Pathology; Pharmacy; Phototherapy; Poisons; Purgatives; Radiotherapy; Rest; Serum therapy; Stimulants; Suggestive therapeutics; Swedish movement cure; X rays

Thermal springs *see* Geysers and hot springs

Thermochemistry *see* Chemistry, Physical

**Thermodynamics**

*See also* Heat; Heat engines; Steam; Steam engines

**Thermometer**

*See also* Calorimeters and calorimetry; Meteorological instruments; Pyrometers and pyrometry

**Thieves**

*See also* Brigands and robbers; Burglary; Embezzlement; Larceny

Thieving *see* Larceny

Thinking *see* Thought and thinking

Thirty-nine articles *see* Church of England — Articles of religion

**Thirty years' war, 1618-1648**

*See also* Europe — History — 1492-1789; Germany — History — 1517-1740; Sweden — History

Thorough bass *see* Harmony

Thoroughfares *see* Roads; Streets

**Thought and thinking**

*See also* Attention; Intellect; Logic; Mental discipline; Philosophy; Psychology; Reason

**Thought transference**

*See also* Clairvoyance; Mind reading; Presentiments; Psychical research

*Refer from* Church and education; Professional education; Religious education; Theological education (s); Theological schools

*Refer from* Buddhism; Buddhism, Esoteric (s); Esoteric Buddhism (s); Occult sciences; Philosophy; Religion; Religions; Vedanta

*Refer from* Healing (s); Hygiene; Materia medica; Medicine; Medicine—Practice; Pathology; Remedies (in medicine) (s)

*Refer from* Chemistry, Physical; Dynamics; Heat; Heat engines; Physics; Steam

*Refer from* Heat; Meteorological instruments; Physics

*Refer from* Biography; Brigands and robbers; Crime and criminals; Larceny

*Refer from* Counter-reformation; Europe — History — 1492-1789; Germany — History — 1517-1740; Reformation; Sweden — History

*Refer from* Intellect; Philosophy; Psychology; Psychology, Educational; Reason; Thinking (s)

*Refer from* Clairvoyance; Mind reading; Psychical research; Psychology; Suggestion; Telepathy (s)



**Thremmatology** *see* Breeding; Plant breeding

**Threshing**

**Thrift**

*See also* Benefit societies; Cost of living; Extravagance; Insurance; Insurance, Industrial; Investments; Misers; Old age pensions; Prudence; Savings banks; Standard of living

**Throat**

*See also* Bronchitis; Voice

**Throwing sticks**

**Thugs**

**Thunderstorms**

*See also* Lightning; Storms

**Tides**

*See also* Astronomy; Moon; Ocean

**Ties, Railroad,** *see* Railroads — Ties

**Tigers**

*See also* Carnivora

**Tiles**

*See also* Bricks; Clay industries; Pottery

**Tillage**

*See also* Agricultural physics; Agriculture; Dry farming; Plows; Soils

**Timber**

*See also* Building materials; Dry rot; Forests and forestry; Lumber and lumbering; Strength of materials; Trees; Wood

— Preservation, *see* Wood — Preservation

**Time**

*See also* Almanacs; Astronomy; Astronomy, Spherical and practical; Calendar; Chronograph; Chronology; Daylight saving; Days; Eternity; Timekeepers

Time, Reaction, *see* Reaction time

**Timekeepers**

*See also* Clocks and watches; Pendulums; Sundials

**Tin**

*See also* Bronze; Metals; Pewter; Tinsmithing

**Tinsmithing**

*See also* Sheet-metal work

**Tintype** *see* Ferrottype

**Tipping**

**Tires**

*See also* Automobiles; Wheels

**Tissues** *see* Histology

**Tithes**

*See also* Church finance; Church rates

**Title-pages**

*See also* Colophons; Titles of books

*Refer from* Agriculture; Grain

*Refer from* Conduct of life; Cost of living; Economics; Economy (s); Extravagance; Investments; Poor; Prudence; Saving (s); Savings banks; Standard of living; Success

*Refer from* Anatomy; Bronchitis; Respiratory organs; Sore throat (s); Voice

*Refer from* Arms and armor; Atlatl (s); Spear throwers (s)

*Refer from* Brigands and robbers; Crime and criminals; Crime and criminals — India; Murder; Phansigars (s)

*Refer from* Lightning; Meteorology; Storms

*Refer from* Astronomy; Hydrography; Moon; Ocean; Physical geography

*Refer from* Carnivora; Hunting

*Refer from* Bricks; Building materials; Clay industries; Pottery; Terra cotta

*Refer from* Agricultural physics; Agriculture; Cultivating (s); Dry farming; Harrowing (s); Plowing (s); Soils; Subsoiling (s)

*Refer from* Building materials; Forest products; Forests and forestry; Lumber and lumbering; Trees; Wood

*Refer from* Astronomy; Astronomy, Spherical and practical; Calendar; Chronology; Metaphysics; Philosophy; Standard time (s)

*Refer from* Clocks and watches; Horology (s); Machinery; Manufactures; Time

*Refer from* Metals; Mines and mineral resources; Sheet-metal work

*Refer from* Industrial arts; Sheet-metal work; Tin

*Refer from* Manners and customs; Servants; Travel; Waiters

*Refer from* Automobiles; Bicycles and tricycles; Pneumatic tires (s); Rubber tires (s); Wheels

*Refer from* Church finance; Church law; Church of England — Finance; Church polity; Church rates; Taxation

*Refer from* Books; Colophons; Printing; Titles of books



**Titles (land)** *see* Land titles

**Titles of books**

*See also* Copyright; Title-pages

**Titles of honor and nobility**

*See also* Decorations of honor; Degrees, Academic; Heraldry; Peerage

**Titration** *see* Chemistry — Analysis

**Toads**

*See also* Amphibia; Frogs

**Toadstools** *see* Mushrooms

**Toasts**

*See also* After-dinner speeches

**Tobacco**

*See also* Cigarettes; Cigars; Pipes, Tobacco; Smoking; Snuff

—Cultivation

—Diseases and pests

—Manufacture and trade

*See also* Tobacco — Taxation

—Pests, *see* Tobacco — Diseases and pests

—Physiological effects

*See also* Smoking

—Taxation

—Trade, *see* Tobacco — Manufacture and trade

**Tobacco pipes** *see* Pipes, Tobacco

**Tobogganing**

*See also* Coasting; Winter sports

**Toes** *see* Foot

**Toilet**

*See also* Baths and bathing; Beauty, Personal; Cosmetics; Costume; Hairdressing; Manicuring; Perfumery

**Toleration** *see* Liberty of conscience; Religious liberty

**Toltecs**

*See also* Aztecs; Indians of Mexico; Mexico — Antiquities

**Tombs**

*See also* Brasses; Burial; Catacombs; Cemeteries; Cromlechs; Crypts; Epitaphs; Holy sepulcher; Monuments; Mounds and mound builders; Sarcophagi; Taj Mahal; Tombstones; Vaults

**Tombstones**

*See also* Epitaphs; Monuments

**Tonic sol-fa**

**Tool steel**

**Tools**

*See also* Bone implements; Carpentry; Farm implements and machinery; Files and rasps; Implements, utensils, etc.; Indians — Implements and weapons; Machine tools; Machinery; Saws; Square (instrument); Stone implements; Tool steel

**Topiary work**

*Refer from* Bibliography; Book titles (s); Books; Cataloging; Copyright; Title-pages

*Refer from* Decorations of honor; Heraldry; Honorary titles (s); Peerage

*Refer from* Amphibia; Frogs

*Refer from* After-dinner speeches; Dinners and dining; Drinking customs; Epigrams; Healths, Drinking of (s); Manners and customs

*Refer from* Agricultural products; Agriculture — Tropics; Cigars; Narcotics; Pipes, Tobacco; Smoking; Temperance

*Refer from* Agricultural pests; Plants — Diseases; Tobacco — Pests (s)

*Refer from* Manufactures; Tobacco — Trade (s)

*Refer from* Hygiene; Smoking

*Refer from* Taxation; Tobacco — Manufacture and trade

*Refer from* Coasting; Sports; Winter sports

*Refer from* Beauty, Personal; Clothing; Cosmetics; Costume; Hairdressing

*Refer from* Aztecs; Indians of Mexico; Mexico — Antiquities

*Refer from* Archaeology; Architecture; Burial; Cemeteries; Christian antiquities; Crypts; Graves (s); Mausoleums (s); Monuments; Rock tombs (s); Sepulchers (s); Vaults

*Refer from* Epitaphs; Gravestones (s); Headstones (s); Monuments; Tombs

*Refer from* Music — Notation; Sight reading; Singing and voice culture; Sol-fa system (s)

*Refer from* Machine tools; Steel; Tools

*Refer from* Carpentry; Hardware; Implements, utensils, etc.; Industrial arts; Instruments; Machinery

*Refer from* Landscape gardening; Shrubs; Trees



**Topographical drawing**  
*See also* Map drawing

**Topographical surveying** *see* Surveying  
**Topography** *see* Geography; Surveying; Topographical drawing

**Tops**  
**Tories, American,** *see* Loyalists, American

**Tories, English**  
*See also* England — History; England — Politics

**Tornadoes**  
*See also* Cyclones; Storms

**Torpedo boats**  
*See also* Submarine boats; Torpedoes

**Torpedoes**  
*See also* Mines, Submarine; Torpedo boats

**Torrens system**  
*See also* Conveyancing

**Torts**  
*See also* Damages; Libel and slander; Trespass

**Torture**  
*See also* Inquisition; Punishment  
**Total abstinence** *see* Temperance  
**Total depravity** *see* Depravity; Sin  
**Totems and totemism**  
*See also* Animal worship

**Touch**  
*See also* Senses and sensation

**Tournaments**  
*See also* Chivalry

**Towers**  
*See also* Architecture; Round towers; Spires

**Town meeting**  
*See also* Local government; Towns

**Town officers**  
*See also* Constables; Police

**Towns**  
*See also* Boroughs; Cities; Local government; Municipal corporations; Municipal government; Town meeting; Town officers; Villages

**Townships** *see* Towns  
**Toxicology** *see* Poisons

**Toxins**  
*See also* Antitoxins; Poisons; Ptomaines

**Toys**  
*See also* Dolls; Electric toys; Tops  
**Track, Railroad,** *see* Railroads — Track

*Refer from* Drawing; Geography, Mathematical; Map drawing; Surveying; Topography

*Refer from* Toys

*Refer from* England — History; England — Politics; Political parties

*Refer from* Cyclones; Meteorology; Storms; Winds

*Refer from* Boats and boating; Naval art and science; Shipbuilding; Ships; Submarine boats; Submarine warfare; Torpedoes; Warships

*Refer from* Explosives; Military art and science; Mines, Submarine; Naval art and science; Submarine warfare; Torpedo boats

*Refer from* Conveyancing; Deeds; Land titles; Real estate

*Refer from* Injuries (s); Law; Libel and slander; Wrongs (s)

*Refer from* Inquisition; Punishment

*Refer from* Animal worship; Ethnology; Indians — Religion; Mythology; Nature worship; Religion; Rites and ceremonies; Superstition; Tribes and tribal system; Worship

*Refer from* Feeling (s); Senses and sensation

*Refer from* Chivalry; Festivals; Fighting (s); Sports

*Refer from* Architecture; Church architecture; Spires

*Refer from* Democracy; Government; Local government; Towns

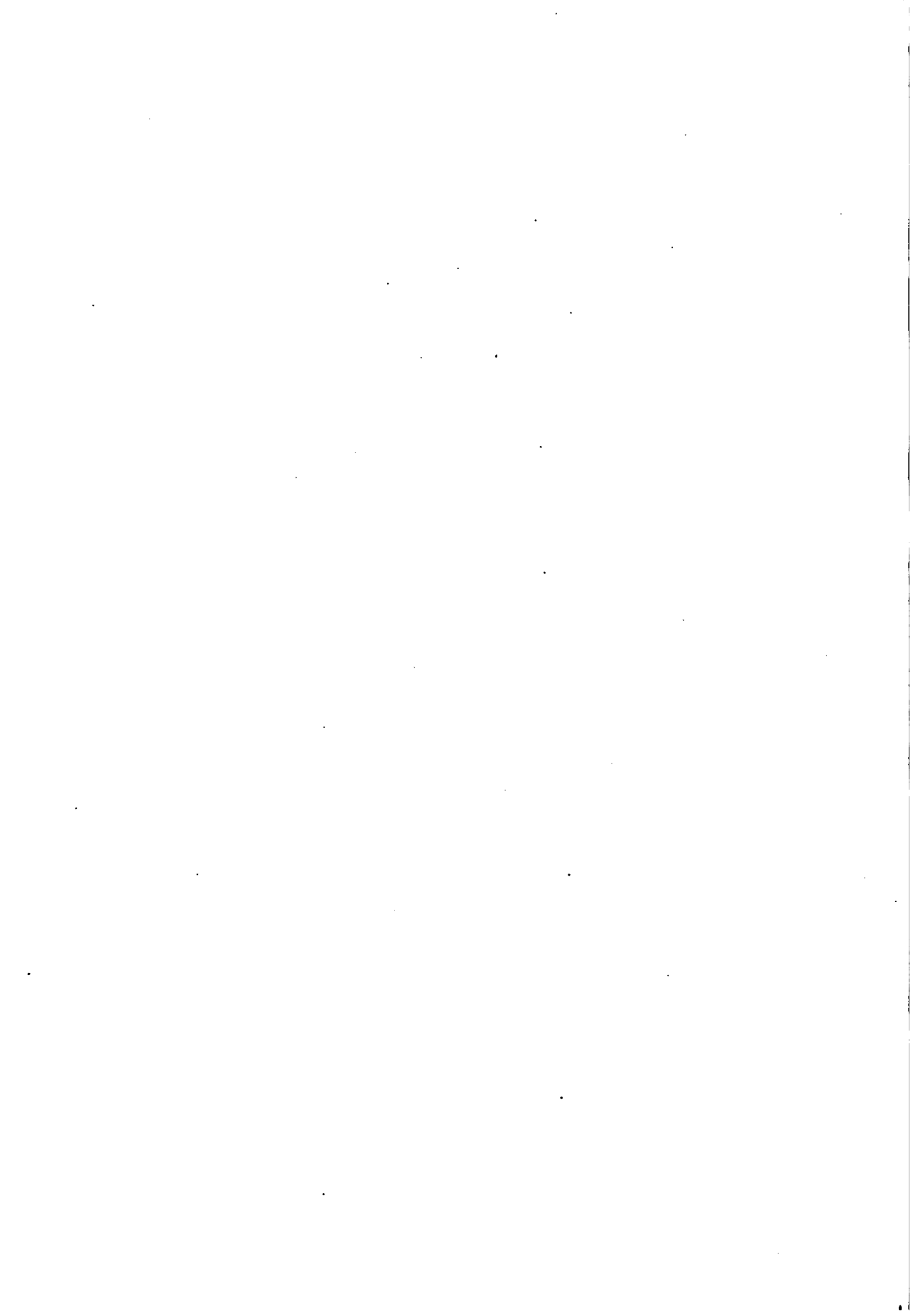
*Refer from* Local government; Towns

*Refer from* Boroughs; Cities; Government; Local government; Municipal corporations; Town meeting; Townships (s); Villages

*Refer from* Pathology; Poison (s); Poisons; Ptomaines

*Refer from* Amusements; Games





**Track athletics**

*See also* Athletics; College athletics; Running; Walking

**Tracking**

*Refer from* Athletics; College athletics; Field sports (s); Running; Sports

*Refer from* Game; Hunting; Scent (s); Scouts and scouting; Trailing (s)

**Tract societies**

*See also* Bible — Publication and distribution; Tracts

Tractarianism *see* Oxford movement

**Traction engines**

*Refer from* Missions; Societies; Tracts

*Refer from* Engines; Farm motors; Locomotives; Road engines (s); Steam engines

**Tracts**

*See also* Tract societies

Trade *see* Business; Commerce; Tariff

Trade, Balance of, *see* Balance of trade

Trade, Boards of, *see* Boards of trade

**Trade agreements**

*See also* Arbitration and conciliation, Industrial

*Refer from* Colportage (s); Literature; Tract societies

*Refer from* Arbitration and conciliation, Industrial; Collective bargaining (s); Contracts; Employers' associations; Labor unions

**Trade-marks**

*See also* Patents; Printers' marks

*Refer from* Commerce; Law; Manufactures; Partnership; Patents

**Trade schools**

*See also* Industrial education

*Refer from* Education; Industrial education; Manual training; Schools; Technical education; Trades schools (s); Vocational education

Trade unions *see* Labor unions

Trade winds *see* Winds

Trades *see* Industrial arts; Occupations

Trades combination *see* Combination, Industrial; Labor unions

Trades schools *see* Trade schools

Trades waste *see* Refuse and refuse disposal; Waste products

**Trading companies**

*See also* Commerce — History; Hudson Bay company

Traditions *see* Folklore; Legends

**Tragedy**

*See also* Drama

Trailing *see* Tracking

Trails *see* Indian trails; *also* names of trails, e.g.

Oregon trail, Salt Lake trail, Santa Fé trail

**Train despatching**

*Refer from* Commerce; Commerce — History

*Refer from* Drama

*Refer from* Railroads; Railroads — Management; Telegraph

Trained nurses *see* Nurses and nursing

**Training**

*See also* Animals — Training; Athletics; Education; Gymnastics; Horse training; Physical education; Teaching

*Refer from* Athletics; Exercise; Hygiene; Physical education; Sports

**Tramps**

*See also* Begging; Unemployed; Wayfaring life

*Refer from* Begging; Crime and criminals; Poor; Unemployed; Vagabonds (s); Vagrancy (s); Wayfaring life

Tramways *see* Street railroads

**Transcendentalism**

*See also* Brook Farm

*Refer from* Idealism; Philosophy; Philosophy, American; Philosophy, German; Philosophy, Modern; Rationalism; Theology

Transcontinental journeys (U. S.) *see* Overland journeys to the Pacific

Transfer tax *see* Inheritance and transfer tax

Transfiguration of Jesus Christ *see* Jesus Christ — Transfiguration

Transformers *see* Electric transformers



**Transit** *see* Rapid transit; Transportation

**Transit (instrument)**

*See also* Astronomical instruments; Surveying instruments

**Transits**

*See also* Astronomy; Planets; *also* names of planets

**Translation**

**Transliteration**

**Transmigration**

*See also* Preëxistence; Soul

**Transmission (biology)** *see* Heredity

**Transmission of power** *see* Electric power transmission; Power transmission

**Transmutation of metals** *see* Alchemy

**Transmutation of species** *see* Species; Variation (biology)

**Transportation**

*See also* Aeronautics; Animals — Transportation; Automobiles; Canals; Carriages; Carriers; Commerce; Communication; Demurrage; Electric railroads; Express companies; Ferries; Freight; Harbors; Inland navigation; Marketing of farm produce; Omnibuses; Pack transportation; Packing for shipment; Pneumatic tubes; Postal service; Railroads; Rapid transit; Roads; Shipping; Steam navigation; Steamboats; Street railroads; Subsidies; Telpherage; Vehicles; Waterways

**Transportation of animals** *see* Animals — Transportation

**Transportation of criminals** *see* Penal colonies

**Transubstantiation**

*See also* Lord's supper; Mass

**Trapping**

*See also* Fur trade; Hunting; Poaching

**Trappists**

*See also* Cistercians

**Traps (plumbing)** *see* Plumbing

**Travel** [for books on the art of travel]

*See also* Baggage; Ocean travel; Passports; Pilgrimages; Tipping; Voyages and travels

**Travelers**

*See also* Commercial travelers; Explorers; Voyages and travels

**Traveling libraries** *see* Libraries, Traveling

**Traveling salesmen** *see* Commercial travelers

**Travels** *see* Voyages and travels; *also* names of countries, subhead Description and travel

**Travels around the world** *see* Voyages and travels around the world

**Traverse tables**

*See also* Navigation; Surveying

**Treacle** *see* Molasses

**Treason**

*See also* Allegiance

**Treasure-trove**

*Refer from* Astronomical instruments; Surveying instruments

*Refer from* Astronomy; Eclipses; Planets

*Refer from* Language; Literature; Rhetoric

*Refer from* Alphabet; Language; Spelling

*Refer from* Animism; Future life; Metempsychosis (s); Preëxistence; Reincarnation (s); Soul

*Refer from* Carriers; Commerce; Commercial geography; Communication; Economics; Freight; Interstate commerce; Locomotion; Railroads; Shipping; Transit (s); Vehicles

*Refer from* Catholic church; Jesus Christ; Lord's supper; Mass; Real presence (s); Theology

*Refer from* Fur trade; Game; Hunting; Sports

*Refer from* Cistercians; Monasticism

*Refer from* Locomotion; Ocean travel; Voyages and travels

*Refer from* Biography; Explorers; Voyagers (s); Voyages and travels

*Refer from* Latitude and longitude; Mathematics — Tables, etc.; Navigation; Surveying

*Refer from* Crime and criminals; High treason (s); Law; Murder; Political offenses

*Refer from* Adventure; Buried treasure (s); Pirates



## **Treaties**

*See also* Arbitration, International; Commercial treaties; Diplomacy; Holy alliance; International law; International relations; Triple alliance, 1883-; *also* names of countries, subhead **Treaties**

**Treatment of animals** *see* **Animals**—**Treatment**

## **Tree planting**

*See also* Arbor day; Forest planting

## **Tree worship**

*See also* Animism

## **Trees**

*See also* Arbor day; Bark; Botany; Evergreens; Forest nurseries; Forest planting; Forests and forestry; Fruit; Grafting; Hedges; Landscape gardening; Leaves; Lumber and lumbering; Nuts; Pruning; Timber; Topiary work; Tree planting; Tree worship; *also* names of trees, e.g. Oaks

## **—Diseases and pests**

*See also* Fruit—Diseases and pests; Gipsy moth; Insects, Injurious and beneficial; Plants—Diseases; Spraying

## **—Fossil**

*See also* Petrified forests

## **—Historic**

*See also* Preservation of landmarks, scenery, etc.

## **Trent affair, 1861**

*See also* U. S.—History—Civil war—Foreign relations

**Trepanning** *see* **Trephining**

## **Trephining**

## **Trespass**

*See also* Easements

## **Trestles**

*See also* Bridges

**Trial by combat** *see* **Wager of battle**

**Trial by jury** *see* **Jury**

## **Trials**

*See also* Actions at law; Courts martial; Evidence; Expert evidence; Impeachment; Jury; Ordeals; Pleading and practice; Witnesses

**Triangulation** *see* **Geodesy**; **Surveying**

**Triassic period** *see* **Geology**, **Stratigraphic**—

**Triassic**; **Paleontology**—**Triassic**

**Tribal system** *see* **Tribes** and **tribal system**

## **Tribes and tribal system**

*See also* Clans; Consanguinity; Family; Patriarchy; Society, Primitive; Totems and Totemism; Village communities

**Tricycles** *see* **Bicycles** and **tricycles**

**Tricycling** *see* **Cycling**

## **Trigonometry**

*See also* Geodesy; Geometry; Logarithms; Mathematics; Mensuration; Navigation; Surveying

*Refer from* Diplomacy; Government; History; International law; International relations; Ministers of state

*Refer from* Arbor day; Arboriculture (s); Forest planting; Forests and forestry; Neighborhood improvement; Planting (s); Trees

*Refer from* Animism; Fetishism; Nature worship; Trees; Worship

*Refer from* Agriculture; Arboriculture (s); Bark; Botany; Dendrology (s); Evergreens; Forests and forestry; Landscape gardening; Leaves; Shrubs; Silviculture (s); Timber; Wood

*Refer from* Agricultural pests; Fruit—Diseases and pests; Insects, Injurious and beneficial; Plants—Diseases

*Refer from* Fossil plants; Fossil trees (s); Fossil wood (s); Petrified forests; Wood, Fossil (s)

*Refer from* Historic trees (s); History; Preservation of landmarks, scenery, etc.

*Refer from* Contraband of war; Neutrality; U. S.—History—Civil war—Foreign relations

*Refer from* Brain; Skull; Surgery; Trepanning (s)

*Refer from* Law; Property; Torts

*Refer from* Bridges; Railroads; Railroads—Construction

*Refer from* Actions at law; Courts; Crime and criminals; Criminal law; Jury; Law; Pleading and practice; State trials (s)

*Refer from* Anthropology; Civilization; Clans; Communism; Family; Government; Patriarchy; Society, Primitive; Tribal system (s); Village communities

*Refer from* Geometry; Logarithms; Mathematics; Spherical trigonometry (s); Surveying



**Trilobites**

*See also* Crustacea

**Trinity**

*See also* Arianism; Athanasian creed; God; Holy Spirit; Jesus Christ; Jesus Christ — Divinity; Socinianism; Unitarianism

**Triple alliance, 1883—**

*See also* Europe — History — 1789—

**Trismus *see* Tetanus**

Triumphal arches *see* Arches of triumph

Troglodytes *see* Cave dwellers

Trolley lines *see* Electric railroads

Tropical agriculture *see* Agriculture — Tropics

Tropical diseases *see* Tropics — Diseases and hygiene

Tropical hygiene *see* Tropics — Diseases and hygiene

Tropical medicine *see* Tropics — Diseases and hygiene

**Tropical plants****Tropics**

*See also* Acclimatization; Agriculture — Tropics; Tropical plants

**—Diseases and hygiene**

*See also* Acclimatization; Cholera, Asiatic; Medical geography; Sleeping sickness; Yellow fever

Trotting *see* Horse; Horse racing

**Troubadours**

*See also* Provençal literature; Trouvères

Trouble *see* Affliction; Misfortune

**Trout**

*See also* Fish; Salmon

**Trouvères**

*See also* Fabliaux; Troubadours

**Truancy**

*See also* School attendance; Truant schools

**Truant schools**

*See also* Parental schools

Truck farming *see* Market gardening

Trumpet calls *see* Bugle calls

**Trusses**

*See also* Bridges; Building; Girders; Roofs; Strains and stresses; Strength of materials

**Trust companies**

*See also* Banks and banking; Trustees

*Refer from* Crustacea; Paleontology

*Refer from* Arianism; God; Holy Spirit; Humanitarianism (theology) (s); Jesus Christ; Jesus Christ — Divinity; Socinianism; Theology; Unitarianism

*Refer from* Alliance, Triple (s); Austria — Foreign relations; Austria — History; Europe — History — 1789—; Europe — Politics; Germany — Foreign relations; Germany — History — 1866—; International relations; Italy — Foreign relations; Italy — History — 1815—; Treaties

*Refer from* Botany; Plants; Tropics

*Refer from* Acclimatization; Earth; Geography; Physical geography

*Refer from* Hygiene; Hygiene, Tropical (s); Medical geography; Medicine — Practice; Medicine — Tropics (s); Tropical diseases (s); Tropical hygiene (s); Tropical medicine (s)

*Refer from* Bards; Courts of love; French poetry; Minstrels; Poetry; Poets; Provençal literature; Trouvères

*Refer from* Brook trout (s); Fish; Fishing; Salmon

*Refer from* Bards; French poetry; Minstrels; Poetry; Poets; Troubadours

*Refer from* Boys; Compulsory education; Juvenile delinquency; Public schools; School attendance; School children

*Refer from* Juvenile delinquency; Parental schools; Public schools; Schools; Truancy

*Refer from* Architecture; Bridges; Building; Girders; Roofs; Strains and stresses; Strength of materials

*Refer from* Banks and banking; Business; Clearing houses; Commerce; Commercial law; Corporations; Finance; Savings banks; Trustees





**Trustees**

*See also* Administrators and executors; Assignments; Guardians; Mortmain; Probate law and practice; Trust companies

**Trusts**

*See also* Capital; Combination, Industrial; Competition; Corporation law; Corporations; Monopolies; Restraint of trade

**Truth**

*See also* Axioms; Belief; Certainty; Honesty; Lying; Sincerity

**Tsetse flies**

*See also* Insects as carriers of contagion; Sleeping sickness

**Tuberculosis**

*See also* Lungs; Open-air schools; Respiratory organs — Diseases; Tuberculosis in animals

**Tuberculosis in animals****Tubes**

*See also* Pipe  
Tumbling *see* Acrobats

**Tumors**

*See also* Cancer

Tumuli *see* Mounds and mound builders

**Tuning**

*See also* Tuning forks

**Tuning forks**

Tunkards *see* German Baptist brethren

Tunkers *see* German Baptist brethren

Tunneling *see* Tunnels

**Tunnels**

*See also* Blasting; Civil engineering; Mines, Military; Mining engineering; Subways

**Turbines**

*See also* Hydraulic motors; Steam turbines; Water wheels

Turco-Russian war *see* Russo-Turkish war

Turf, The, *see* Horse racing

**Turkeys**

*See also* Poultry

Turkish baths *see* Baths and bathing

**Turkish language**

*See also* Ural-Altaic languages

**Turkish literature**

*See also* Arabic literature

Turko-Russian war *see* Russo-Turkish war

**Turning**

*See also* Lathes; Woodwork

Turning (gymnastics) *see* Gymnastics

Turnpikes *see* Roads

Tuyeres *see* Blast furnaces; Cupola furnaces; Foundry work

*Refer from* Commercial law; Guardians; Inheritance; Law; Powers (law); Probate law and practice; Trust companies

*Refer from* Capital; Cartels (economics) (s); Combination, Industrial; Commerce; Commercial law; Competition; Corners, Commercial (s); Corporation law; Corporations; Economics; Finance; Government regulation of industry; Kartels (economics) (s); Monopolies; Restraint of trade

*Refer from* Belief; Certainty; Ethics; Faith; Knowledge; Lying; Philosophy; Sincerity

*Refer from* Diptera; Flies; Insects as carriers of contagion; Sleeping sickness

*Refer from* Consumption (s); Lungs; Medicine — Practice; Phthisis (s); Respiratory organs — Diseases

*Refer from* Animals — Diseases; Cattle — Diseases; Tuberculosis; Veterinary medicine

*Refer from* Iron; Manufactures; Pipe; Steel

*Refer from* Carcinoma (s); Medicine — Practice; Pathology; Surgery

*Refer from* Musical instruments; Piano

*Refer from* Musical instruments; Tuning

*Refer from* Civil engineering; Earthwork; Engineering; Excavation; Mining engineering; Railroads; Railroads — Construction; Subways; Tunneling (s)

*Refer from* Engines; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Motors; Water wheels; Wheels

*Refer from* Poultry

*Refer from* Ural-Altaic languages

*Refer from* Cabinet work; Carpentry; Industrial arts; Lathe work (s); Lathes; Woodwork



**Twentieth century**

*See also* English literature — History and criticism — 20th century

**Twins****Type**

*See also* Printing; Typesetting

**Typesetting**

*See also* Printing; Typesetting machines

**Typesetting machines****Typewriting****Typhoid fever**

*See also* Typhus fever

**Typhus fever**

*See also* Typhoid fever

**Typographical societies**

Typography *see* Printing

**Tyranny**

*See also* Despotism

**Ulcers**

*See also* Suppuration

**Ultramontaniam**

*See also* Catholic church; Popes; Vatican council

**Umbrellas**

Unbelief *see* Skepticism

Unclaimed estates *see* Estates, Unclaimed

**Uncion**

Underclothing *see* Underwear

**Underground railroad (slavery)**

*See also* Fugitive slaves

Underground roads *see* Subways

Underground water *see* Water, Underground

Underpinning *see* Shoring and underpinning

Understanding *see* Intellect; Psychology

**Underwear**

*See also* Garment cutting; Hosiery

**Unearned increment****Unemployed**

*See also* Employment agencies; Farm colonies; Labor exchanges; Poor; Tramps; Vacant lot cultivation

**Ungulata**

*See also* Bison; Cattle; Deer; Goats; Horse; Mammals; Reindeer; Sheep; Swine

**Uniforms**

*See also* Costume; Livery

Union, Christian, *see* Christian union

Union shop *see* Open and closed shop

Unions, Labor, *see* Labor unions

**Unitarianism**

*See also* Arianism; Free religion; Jesus Christ — Divinity; Liberalism; Socinianism; Trinity

*Refer from* History, Modern; Progress

*Refer from* Children

*Refer from* Printing

*Refer from* Composition (printing) (s); Printing; Type

*Refer from* Composing machines (s); Linotype (s); Machinery; Monotype (s); Printing; Typesetting

*Refer from* Business education; Writing

*Refer from* Contagion and contagious diseases; Enteric fever (s); Fever; Medicine — Practice; Typhus fever

*Refer from* Fever; Medicine — Practice; Ship fever (s); Typhoid fever

*Refer from* Printers; Printing; Societies

*Refer from* Despotism; Government; Monarchy

*Refer from* Suppuration

*Refer from* Catholic church

*Refer from* Costume

*Refer from* Anointing (s); Extreme unction (s); Sacraments

*Refer from* Fugitive slaves; Slavery in the U. S.

*Refer from* Clothing; Textile industry and fabrics; Underclothing (s)

*Refer from* Betterments (s); Economics; Increment, Unearned (s); Land; Land tenure; Real estate; Taxation

*Refer from* Economics; Labor and laboring classes; Labor exchanges; Panics; Poor; Social problems; Tramps

*Refer from* Bison; Cattle; Deer; Goats; Horse; Mammals; Reindeer; Sheep; Swine

*Refer from* Clothing; Costume; Costume, Military (s); Military costume (s); Military uniforms (s)

*Refer from* Arianism; Congregationalism; Humanitarianism (theology) (s); Jesus Christ — Divinity; Liberalism; Sects; Socinianism; Trinity



Unitas fratrum *see* Moravians  
 United brethren *see* Moravians  
 United brethren in Christ  
 United empire loyalists *see* Loyalists, American  
 United society of believers *see* Shakers  
**United States**  
 —Administration, *see* U. S.— Government  
 —Agriculture, *see* Agriculture — U. S.  
 —Altitudes  
 —Annexations  
     *See also* Gadsden purchase; Louisiana purchase; U. S.— Insular possessions  
 —Antiquities  
     *See also* Indians — Antiquities; Mounds and mound builders  
 —Architecture, *see* Architecture, American  
 —Archives  
     *See also* U. S.— Government publications  
 —Army  
     *See also* Army life; Canteens (army); U. S.— History, Military; U. S.— Militia; U. S.— Navy. For volunteer regiments *see* under names of states, e.g. New York artillery, New York cavalry, New York infantry; *also* United States volunteer cavalry, United States volunteer infantry, for volunteer regiments recruited at large  
 —Artillery  
 —Cavalry  
     *See also* United States volunteer cavalry  
 —Infantry  
     *See also* United States volunteer infantry  
 —Art, *see* Art, American  
 —Asylums, *see* U. S.— Hospitals and asylums  
 —Atlases, *see* U. S.— Description and travel; Maps  
 —Banks, *see* Banks and banking — U. S.  
 —Bibliography  
     *See also* American literature — Bibliography  
 —Biography  
     *See also* Actors, American; Artists, American; Authors, American; Declaration of independence — Signers; Governors; Hall of fame; Loyalists, American; Painters, American; Pilgrim fathers; Poets, American; Presidents — U. S.; Statesmen, American; U. S.— Genealogy; *also* names of wars, subhead Biography  
 —Birds, *see* Birds — U. S.  
 —Botany, *see* Botany — U. S.  
 —Boundaries  
     *See also* Northeast boundary of the U. S.; Northwest boundary of the U. S.  
 —Business associations  
 —Canals, *see* Canals — U. S.  
 —Capital and capitol  
     *See also* Washington, D. C.  
 —Census  
     *See also* U. S.— Population; U. S.— Statistics; U. S.— Vital statistics  
 —Charities, *see* Charities — U. S.

*Refer from* Sects

*Refer from* Physical geography — U. S.

*Refer from* U. S.— Expansion (s); U. S.— Territorial expansion (s)

*Refer from* Indians — Antiquities; Mounds and mound builders

*Refer from* U. S.— Government publications

*Refer from* U. S.— Defenses; U. S.— History, Military; U. S.— Military history (s)

*Refer from* U. S.— Genealogy

*Refer from* U. S.— Foreign relations

*Refer from* Washington, D. C.

*Refer from* U. S.— Population; U. S.— Statistics; U. S.— Vital statistics



**United States — Continued**

- **Chronology**, *see* U. S. — History — Chronology
- **Church history**, *see* U. S. — Religious history
- **Cities**, *see* Cities — U. S.
- **Civil and political institutions**, *see* U. S. — Government
- **Civil service**, *see* Civil service — U. S.
- **Civilization**
  - See also* U. S. — Economic conditions; U. S. — Social conditions; U. S. — Social life and customs
- **Claims**
  - See also* names of wars, subhead Claims
- **Climate**
  - See also* Meteorology — U. S.
- **Coats of arms**, *see* Heraldry — U. S.
- **Coinage**, *see* Coinage — U. S.
- **Colleges**, *see* Colleges and universities — U. S.
- **Colonies**, *see* U. S. — Insular possessions [For other countries use Colonies]
- **Commerce**
  - See also* Embargo laws; Great Lakes; Interstate commerce; Railroads — U. S.; Shipping — U. S.; Tariff — U. S.; U. S. — Industries and resources; Waterways — U. S.
- **Conchology**, *see* Mollusks — U. S.
- **Constitution**
  - See also* Alien and sedition laws, 1798; Constitutional law; Constitutions, State; Secession; State rights; U. S. — Government; U. S. — Law
- **Consular service**, *see* U. S. — Diplomatic and consular service
- **Conventions and public meetings**
  - See also* Political conventions
- **Costume**, *see* Costume — U. S.
- **Courts**
  - See also* Courts, Municipal
- **Crime and criminals**, *see* Crime and criminals — U. S.
- **Currency question**, *see* Money — U. S.
- **Customs**, *see* U. S. — Social life and customs
- **Defenses**
  - See also* Coast defense; Fortification — U. S.; U. S. — Army; U. S. — Navy
- **Description and travel**
  - See also* Overland journeys to the Pacific; *also* names of cities, states, regions, etc.
- **Gazetteers**
- **Guidebooks**
- **Maps**
- **Views**
  - See also* English language — Dialects
- **Diplomatic and consular service**
- **Directories**
  - See also* U. S. — Registers
- **Discovery and exploration**, *see* America — Discovery and exploration
- **Drama**, *see* American drama

*Refer from* U. S. — Social conditions

*Refer from* Meteorology — U. S.

*Refer from* U. S. — Industries and resources

*Refer from* U. S. — Government; U. S. — Law

*Refer from* Federal courts (s)

*Refer from* U. S. — Geography (s); U. S. — Travel (s)

*Refer from* U. S. — Gazetteers (s)

*Refer from* U. S. — Guidebooks (s)

*Refer from* U. S. — Atlases (s); U. S. — Maps (s)

*Refer from* U. S. — Views (s)

*Refer from* U. S. — Consular service (s); U. S. — Foreign relations





**United States — Continued**

— Ecclesiastical history, *see* U. S. — Religious history

— Ecclesiastical institutions, *see* U. S. — Religious institutions and affairs

— **Economic conditions**

*See also* Immigration and emigration — U. S.; Labor and laboring classes — U. S.; Land tenure — U. S.; Money — U. S.; Sectionalism; Tariff — U. S.; Taxation — U. S.; U. S. — Finance; U. S. — Foreign population; U. S. — Industries and resources; U. S. — Social conditions

— Education, *see* Education — U. S.

— Elections, *see* Elections — U. S.

— Emigration and immigration, *see* Immigration and emigration — U. S.

— Entomology, *see* Insects — U. S.

— **Epidemics**

— Ethnology, *see* Ethnology — U. S.

— Exhibitions, *see* Exhibitions — U. S.

— Expansion, *see* Imperialism; U. S. — Annexations; U. S. — Insular possessions

— **Exploring expeditions**

*See also* Lewis and Clark expedition

— Fauna, *see* Zoology — U. S.

— **Finance**

*See also* Coinage — U. S.; Money — U. S.; Tariff — U. S.; Taxation — U. S.; U. S. — Revenue

— Fine arts, *see* Art, American

— Fish, *see* Fish — U. S.

— Fisheries, *see* Fisheries — U. S.

— Flora, *see* Botany — U. S.

— Folk songs, *see* Folk songs, American

— Folklore, *see* Folklore — U. S.

— **Foreign population**

*See also* Bohemians in the U. S.; Canadians in the U. S.; Chinese in the U. S.; Danes in the U. S.; Dutch in the U. S.; Germans in the U. S.; Hungarians in the U. S.; Immigration and emigration — U. S.; Irish in the U. S.; Italians in the U. S.; Japanese in the U. S.; Norwegians in the U. S.; Poles in the U. S.; Race problems — U. S.; Russians in the U. S.; Scandinavians in the U. S.; Scotch-Irish in the U. S.; Slavs in the U. S.; Swedes in the U. S.

— **Foreign relations**

*See also* Fisheries — U. S.; Monroe doctrine; U. S. — Boundaries; U. S. — Diplomatic and consular service; U. S. — Treaties

— **China**

*See also* Chinese in the U. S.

— **England**

*See also* Alabama claims

— Forests and forestry, *see* Forests and forestry — U. S.

— Fortifications, *see* Fortification — U. S.

— Gazetteers, *see* U. S. — Description and travel — Gazetteers

— **Genealogy**

*See also* U. S. — Biography

— Geodesy, *see* Geodesy — U. S.

*Refer from* U. S. — Civilization; U. S. — Industries and resources; U. S. — Political economy (s); U. S. — Social conditions

*Refer from* U. S. — Economic conditions

*Refer from* Immigration and emigration — U. S.; Race problems — U. S.; U. S. — Economic conditions; U. S. — Population; U. S. — Social conditions

*Refer from* U. S. — Treaties

*Refer from* U. S. — Biography



**United States—Continued**

—Geography, *see* U. S.—Description and travel; *also* Physical geography—U. S.

—Geology, *see* Geology—U. S.

—**Government**

*See also* Civil service—U. S.; Elections—U. S.; Nationalism, New; U. S.—Constitution; U. S.—Politics

—**Government publications**

*See also* U. S.—Archives

—Guidebooks, *see* U. S.—Description and travel—Guidebooks

—Harbors, *see* Harbors—U. S.

—Health resorts, *see* Health resorts—U. S.

—Heraldry, *see* Heraldry—U. S.

—Herpetology, *see* Reptiles—U. S.

—**Historic houses, etc.**

—**History**

*See also* Indians—Wars; Northwest Territory, U. S.; Slavery in the U. S.

—**Chronology**

*Refer from* U. S.—Administration (s); U. S.—Civil and political institutions (s); U. S.—Constitution; U. S.—Politics

*Refer from* U. S.—Archives; U. S.—Public documents (s)

*Refer from* U. S.—Chronology (s)

—**Military**

*See also* Indians—Wars; U. S.—Army; *also* names of wars

—**Naval**

*See also* U. S.—Navy; *also* names of vessels and commanders, and subhead Naval operations under wars

—**Sources**

—**Study and teaching**

—**Colonial period**

*See also* America—Discovery and exploration; Bacon's rebellion; Colonial life and customs; French and Indian war; Indentured servants; King Philip's war; King William's war; Pequot war; Pilgrim fathers; Pontiac's conspiracy; Queen Anne's war; Redemptioners; Stamp act, 1765; U. S.—History—Revolution—Causes

—French and Indian war, *see* French and Indian war

—**Revolution**

*See also* Declaration of independence; Fourth of July orations; Loyalists, American

*Refer from* U. S.—Army; U. S.—Military history (s)

*Refer from* U. S.—Naval history (s); U. S.—Navy

*Refer from* American colonial history (s); Bacon's rebellion; Colonial history (U. S.) (s); Colonial life and customs; Colonial wars (s); French and Indian war; King Philip's war; King William's war; Pequot war; Pilgrim fathers; Pontiac's conspiracy; Queen Anne's war

*Refer from* American revolution (s); Bunker Hill, Battle of; Declaration of independence; England—History—1714-1837; Loyalists, American; Revolutionary war (U. S.) (s); Revolutions; Sullivan's expedition; U. S.—Revolution (s)

—**Anecdotes**

—**Bibliography**

—**Biography**

*See also* Declaration of independence—Signers; U. S.—History—Revolution—Societies

—**Campaigns and battles**

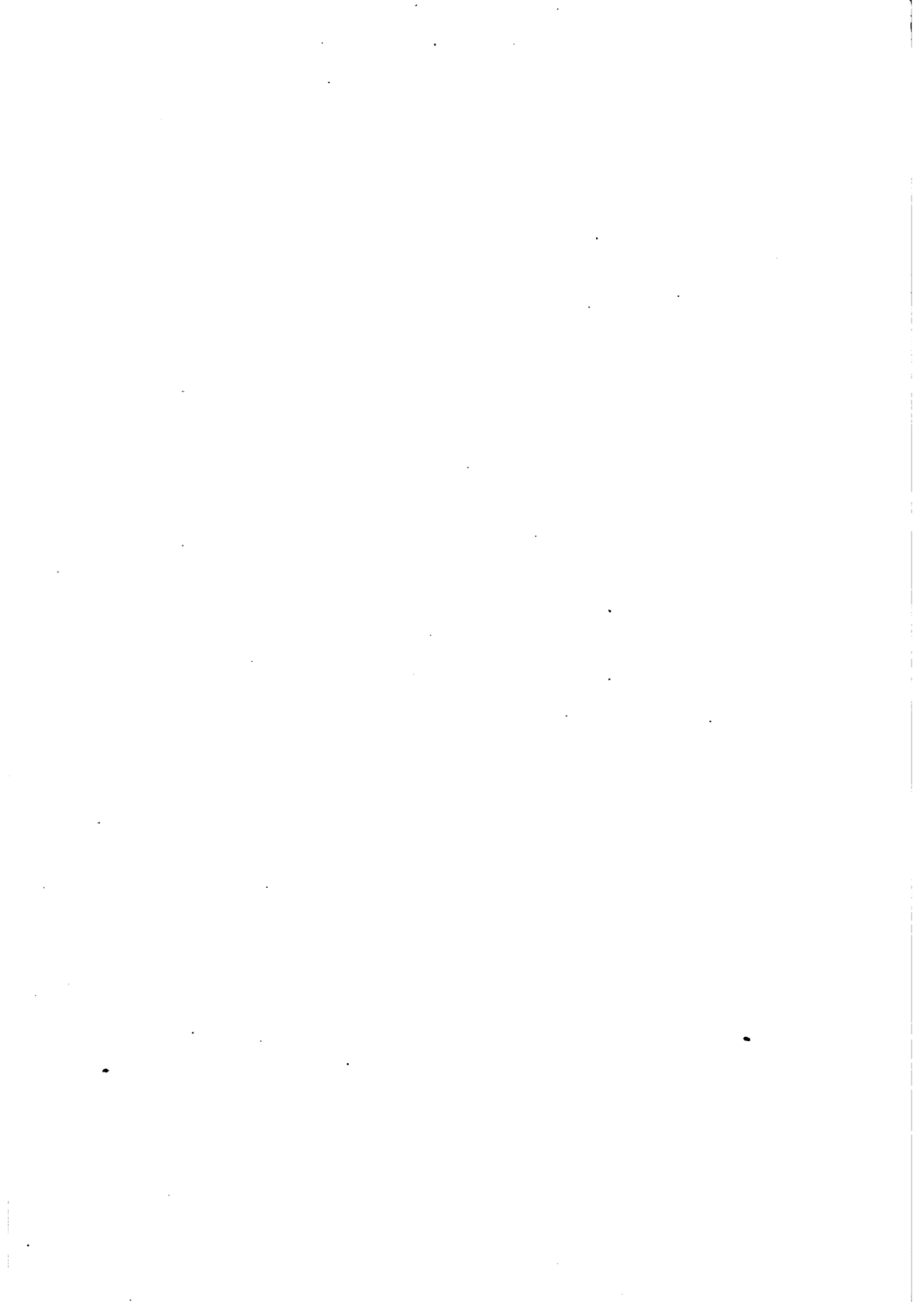
*See also* Bunker Hill, Battle of; Sullivan's expedition; Wyoming massacre

—**Causes**

*See also* Boston massacre; Boston tea party; Stamp act

*Refer from* Boston massacre; Boston tea party; Stamp act; U. S.—History—Colonial period

—**Claims**



**U. S. — History — Revolution — Continued**

—— **Diplomatic history**, *see* U. S. —  
History — Revolution — Foreign  
relations

—— **Drama**

—— **Fiction**

—— **Foreign relations**

—— **French participation**

—— **German troops**

—— **Indian participation**

—— **Medical and sanitary affairs**

—— **Naval operations**

—— **Negro troops**

—— **Personal narratives**

*See also* U. S. — History — Revo-  
lution — Prison life

—— **Poetry**

—— **Political discussion**

—— **Prison life**

—— **Regimental histories**

*See also* U. S. — History — Revo-  
lution — State histories and records

—— **Societies**

*See also* Patriotic societies

—— **State histories and records**

*See also* U. S. — History — Revo-  
lution — Regimental histories

—— **Statistics**

—— **1783-1861**

—— **1783-1812**

*See also* Alien and sedition laws, 1798;  
Embargo laws; French spoliation claims;  
Louisiana purchase; Ordinance of 1787;  
Whiskyinsurrection

—— **War of 1812** [subdivided like Revolution]

—— **1815-1861**

*See also* Black Hawk war; Free soil  
party; Know-nothing party; Missouri  
compromise

—— **War with Mexico** [subdivided like Revolution]

—— **Civil war** [subdivided like Revolution]

*See also* Army of the Cumberland;  
Army of the Potomac; Draft riot, 1863;  
Guerrillas; Memorial day; Reconstruc-  
tion; Secession; Secret service; Slavery  
in the U. S.

—— **Reconstruction**, *see* Reconstruction

—— **1865-1808**

*See also* Reconstruction

—— **War with Spain** [subdivided like Revolution]

*See also* Imperialism; Rough Riders

—— **1898-**

—— **Hospitals and asylums**

—— **Hunting**, *see* Hunting — U. S.

—— **Ichthyology**, *see* Fish — U. S.

*Refer from* U. S. — History — Revolution —  
Diplomatic history (s)

*Refer from* French in America

*Refer from* Germans in the U. S.; Hessians  
in the American revolution (s)

*Refer from* Indians — Wars

*Refer from* Negroes in the American revolu-  
tion (s)

*Refer from* War poetry

*Refer from* U. S. — History — Revolution —  
Personal narratives

*Refer from* U. S. — History — Revolution —  
State histories and records

*Refer from* Patriotic societies; U. S. — History  
— Revolution — Biography

*Refer from* U. S. — History — Revolution —  
Regimental histories

*Refer from* Alien and sedition laws, 1798;  
Embargo laws; Louisiana purchase; Ordinance  
of 1787; Whiskyinsurrection

*Refer from* War of 1812 (s)

*Refer from* Black Hawk war; Free soil party;  
Know-nothing party; Missouri compromise

*Refer from* Mexican war, 1846-1848 (s);  
Mexico — History

*Refer from* Army of the Cumberland; Army  
of the Potomac; Civil war (s); Gettysburg,  
Battle of; Guerrillas; Peninsular campaign,  
1862; Rebellion; Secession; Southern states

*Refer from* Reconstruction

*Refer from* Rough Riders; Spain — History  
— 1700-; Spanish-American war, 1898 (s)

*Refer from* Charities — U. S.; U. S. —  
Asylums (s)



**United States—Continued**

—Immigration, *see* Immigration and emigration — U. S.

—Indians, *see* Indians

—**Industries and resources**

*See also* Agriculture — U. S.; Fisheries — U. S.; Forests and forestry — U. S.; Mines and mineral resources — U. S.; U. S. — Commerce; U. S. — Economic conditions; *also* names of industries

—Insects, *see* Insects — U. S.

—**Insular possessions**

*See also* Imperialism

—**Intellectual life**

*See also* Education — U. S.; U. S. — Learned institutions and societies

—Internal improvements, *see* U. S. — Public works

—Internal revenue, *see* U. S. — Revenue

—Jurisprudence, *see* U. S. — Law

—Labor and laboring classes, *see* Labor and laboring classes — U. S.

—Labor laws, *see* Labor laws — U. S.

—Land tenure, *see* Land tenure — U. S.

—Language, *see* English language

—**Law**

*See also* U. S. — Constitution

—**Learned institutions and societies**

—Libraries, *see* Libraries — U. S.

—Literary institutions, *see* U. S. — Learned institutions and societies

—Literature, *see* American literature

—Malacology, *see* Mollusks — U. S.

—Manners and customs, *see* U. S. — Social life and customs

—Manufactures, *see* U. S. — Industries and resources

—Maps, *see* U. S. — Description and travel — Maps

—Medicine, *see* Medicine — U. S.

—Merchant marine, *see* Shipping — U. S.

—Meteorology, *see* Meteorology — U. S.

—Military history, *see* U. S. — History, Military; *also* U. S. — Army

—Military reservations, *see* National parks and reserves

—**Militia**

*See also* Naval militia; *also* names of states, subhead Militia

—Mineralogy, *see* Mineralogy — U. S.

—Mines and mineral resources, *see* Mines and mineral resources — U. S.

—Mollusks, *see* Mollusks — U. S.

—Money, *see* Money — U. S.

—**Moral conditions**

—Music, *see* Music — U. S.

—National characteristics, *see* National characteristics, American

—National parks and reserves, *see* National parks and reserves

*Refer from* U. S. — Commerce; U. S. — Economic conditions; U. S. — Manufactures (s); U. S. — Natural resources (s); U. S. — Products (s); U. S. — Resources (s); U. S. — Useful arts (s)

*Refer from* Imperialism; U. S. — Annexations; U. S. — Colonies (s); U. S. — Expansion (s); U. S. — Territorial expansion (s)

*Refer from* Education — U. S.; U. S. — Social life and customs

*Refer from* U. S. — Constitution; U. S. — Jurisprudence (s)

*Refer from* U. S. — Intellectual life; U. S. — Literary institutions (s); U. S. — Scientific institutions (s)

*Refer from* National guard, U. S. (s); U. S. — Army

*Refer from* U. S. — Social conditions





**United States — Continued**

- **Natural history**, *see* Natural history — U. S.
- **Natural resources**, *see* U. S. — Industries and resources
- **Naval history**, *see* U. S. — History, Naval; *also* U. S. — Navy
- **Naval militia**, *see* Naval militia
- **Navy**
  - See also* Coaling stations; U. S. — History, Naval; Naval militia; *also* names of vessels
- **Newspapers**, *see* Newspapers — U. S.
- **Numismatics**, *see* Numismatics — U. S.
- **Ornithology**, *see* Birds — U. S.
- **Painting**, *see* Painting, American
- **Paleontology**, *see* Paleontology — U. S.
- **Patents**, *see* Patents — U. S.
- **Pensions**, *see* Pensions — U. S.
- **Periodicals**, *see* Periodicals — U. S.
- **Philosophy**, *see* Philosophy, American
- **Physical geography**, *see* Physical geography — U. S.
- **Poetry**, *see* American poetry
- **Police**
- **Political economy**, *see* Economics; U. S. — Economic conditions
- **Politics**
  - See also* Campaign funds; Campaign literature; Civil service reform; Democratic party; Elections — U. S.; Gerrymander; Know-nothing party; Nullification; Platforms, Political; Political parties; Primaries; Republican party; Sectionalism; Tariff — U. S.; Tariff question; U. S. — Government; Whig party (U. S.)
- **Poor**, *see* Poor — U. S.
- **Population**
  - See also* U. S. — Census; U. S. — Foreign population
- **Postal service**, *see* Postal service — U. S.
- **Pottery**, *see* Pottery — U. S.
- **Presidents**, *see* Presidents — U. S.
- **Printing**, *see* Printing — U. S.
- **Prisons**, *see* Prisons — U. S.
- **Products**, *see* U. S. — Industries and resources
- **Public buildings**
- **Public documents**, *see* U. S. — Government publications
- **Public lands**
  - See also* Forest reserves; Grazing; Homestead law; Indians — Land transfers; Indians — Reservations; Land grants; National parks and reserves; School lands
- **Public schools**, *see* Public schools — U. S.
- **Public works**
  - See also* U. S. — Public buildings
- **Race problems**, *see* Race problems — U. S.
- **Railroads**, *see* Railroads — U. S.
- **Reconstruction**, *see* Reconstruction
- **Reformatories**, *see* Reformatories — U. S.

*Refer from* U. S. — Army; U. S. — Defenses; U. S. — History, Naval; U. S. — Naval history (s)

*Refer from* Campaign literature; Democratic party; Republican party; U. S. — Government

*Refer from* U. S. — Census; U. S. — Statistics

*Refer from* U. S. — Public works

*Refer from* Land tenure — U. S.

*Refer from* U. S. — Internal improvements (s)



**United States**—Continued

—**Registers** [of officials]

—**Religious history.** [For non-Christian countries use Religion]

*See also* Evangelical alliance; U. S.—Religious institutions and affairs; *also* names of churches and sects

—**Religious institutions and affairs**

—**Reptiles,** *see* Reptiles — U. S.

—**Resources,** *see* U. S.—Industries and resources

—**Revenue**

*See also* Internal revenue laws; Tariff — U. S.; Taxation — U. S.

—**Revolution,** *see* U. S.—History—Revolution

—**Rivers,** *see* Rivers — U. S.

—**Roads,** *see* Roads — U. S.

—**Sanitary affairs**

—**Schools,** *see* Education — U. S.; Public schools — U. S.

—**Scientific institutions,** *see* U. S.—Learned institutions and societies

—**Sculpture,** *see* Sculpture, American

—**Seal**

—**Secret service,** *see* Secret service

—**Shipping,** *see* Shipping — U. S.

—**Slavery,** *see* Slavery in the U. S.

—**Social conditions**

*See also* Immigration and emigration — U. S.; Labor and laboring classes — U. S.; Sectionalism; U. S.—Civilization; U. S.—Economic conditions; U. S.—Foreign population; U. S.—Moral conditions

—**Social life and customs**

*See also* Children in the U. S.; Colonial life and customs; Costume — U. S.; National characteristics, American; Thanksgiving day; U. S.—Intellectual life; Women in the U. S.

—**Sports,** *see* Sports — U. S.

—**States,** *see* States (U. S.)

—**Statistics**

*See also* U. S.—Census; U. S.—Population; U. S.—Vital statistics

—**Surveys**

—**Tariff,** *see* Tariff — U. S.

—**Taxation,** *see* Taxation — U. S.

—**Territorial expansion,** *see* Imperialism; U. S.—Annexations; U. S.—Insular possessions

—**Territories**

—**Theater,** *see* Theater — U. S.

—**Travel,** *see* U. S.—Description and travel

—**Treaties**

*See also* U. S.—Foreign relations

—**Universities,** *see* Colleges and universities — U. S.

—**Useful arts,** *see* U. S.—Industries and resources

*Refer from* Civil service — U. S.; U. S.—Directories

*Refer from* U. S.—Church history (s); U. S.—Ecclesiastical history (s)

*Refer from* U. S.—Ecclesiastical institutions (s); U. S.—Religious history

*Refer from* Tariff — U. S.; Taxation — U. S.; U. S.—Finance; U. S.—Internal revenue (s)

*Refer from* Heraldry — U. S.; Numismatics — U. S.

*Refer from* Labor and laboring classes — U. S.; U. S.—Civilization; U. S.—Economic conditions

*Refer from* National characteristics, American; U. S.—Civilization; U. S.—Customs (s); U. S.—Manners and customs (s); Women in the U. S.

*Refer from* U. S.—Census

*Refer from* Territories (U. S.) (s)

*Refer from* U. S.—Foreign relations



**United States—Continued**

—Views, *see* U. S. — Description and travel

— Views

— **Vital statistics**

*See also* U. S.— Census

— Water power, *see* Water power — U. S.

— Water supply, *see* Water supply — U. S.

— Waterways, *see* Waterways — U. S.

— Weights and measures, *see* Weights and measures

— Zoology, *see* Zoology — U. S.

**United States volunteer cavalry**

*See also* Rough Riders

**United States volunteer infantry**

**Units**

*See also* Electric measurement; Metric system; Weights and measures

Universal history *see* History, Universal

Universal language *see* Language, Universal

Universal suffrage *see* Suffrage

**Universalism**

*See also* Future life; Future punishment

**Universe**

*See also* Astronomy; Creation; Earth; Metaphysics; Meteoritic hypothesis; Monadology; Monism; Nebular hypothesis; Planetsimal hypothesis; Plurality of worlds; Teleology

Universities *see* Colleges and universities

University degrees *see* Degrees, Academic

**University extension**

*See also* Correspondence schools and courses

University libraries *see* Libraries, College

University of the U. S., Proposed, *see* National university for the U. S.

University settlements *see* Social settlements

**Upholstery**

*See also* Drapery; Furniture; House decoration

**Ural-Altaic languages**

*See also* Finnish language; Hungarian language; Turkish language

Uranography *see* Astronomy

**Urinary organs**

*See also* Anatomy; Kidneys

**Urn burial**

**Urns**

*See also* Urn burial; Vases

Ursidae *see* Bears

**Ursulines**

Usages *see* Etiquet; Manners and customs

Useful arts *see* Industrial arts; Manufactures

Usury *see* Interest

Utensils *see* Implements, utensils, etc.

**Utilitarianism**

*See also* Philosophy, English; Secularism

*Refer from* U. S. — Census; U. S. — Statistics

*Refer from* Cavalry; U. S. — Army; U. S. — Army — Cavalry; Volunteers (U. S. army) (s)

*Refer from* Infantry; U. S. — Army; U. S. — Army — Infantry; Volunteers (U. S. army) (s)

*Refer from* Constants (s); Physics; Standards (s); Weights and measures

*Refer from* Congregationalism; Future punishment; Salvation; Sects

*Refer from* Astronomy; Cosmogony (s); Cosmography (s); Cosmology (s); Creation; Metaphysics; Philosophy; World (s)

*Refer from* Colleges and universities; Education; Self-culture

*Refer from* Drapery; Furniture; House decoration

*Refer from* Altaic languages (s); Finnish language; Hungarian language; Language; Turkish language

*Refer from* Anatomy; Kidneys; Physiology.  
*Refer from* Burial; Cremation; Mortuary customs (s); Urns

*Refer from* Pottery; Vases

*Refer from* Sisterhoods; Nuns

*Refer from* Ethics; Hedonism; Philosophy; Philosophy, English; Secularism



**Utopias**

*See also* Forecasts; Socialism

**Vacant lot cultivation**

*See also* School gardens

**Vacation schools**

*See also* Summer schools

**Vacations**

*See also* Camping; Holidays; Outdoor life; Summer resorts; Vacation schools

**Vaccination**

*See also* Immunity; Inoculation; Smallpox; Varioloid

**Vacuum cleaning systems**

**Vagabonds** *see* Gipsies; Tramps; Wayfaring life

**Vagrancy** *see* Poor; Poor laws; Tramps

**Valdenses** *see* Waldenses

**Valency****Valentine's day****Valleys**

*See also* Erosion; Physical geography; Rivers

**Valor** *see* Courage

**Valses** *see* Waltzes

**Value**

*See also* Cost; Farm values; Money; Prices; Supply and demand

**Valves and valve gears**

*See also* Link motion; Safety valves; Steam engines

**Vampires**

*See also* Animals, Mythical

**Vandals**

*See also* Barbarian invasions of Rome

**Vanilla**

*See also* Flavoring extracts

**Vanity** *see* Pride and vanity

**Vapor** *see* Evaporation; Gases; Steam

**Variation (biology)**

*See also* Color of animals; Color of flowers; Color of insects; Color of plants; Evolution; Heredity; Mendel's law; Natural selection; Plant breeding; Species

**Variation of the compass** *see* Compass

**Variations (calculus)** *see* Calculus

**Variety stage** *see* Vaudeville

**Variola** *see* Smallpox

**Varioloid**

*See also* Smallpox; Vaccination

*Refer from* Forecasts; Government; Ideal states (s); Socialism; Socialistic utopias (s); Sociology

*Refer from* City gardens (s); Charities; Commons; Cultivation of vacant lots (s); Detroit plan (s); Gardening; Municipal improvement; Neighborhood improvement; Pingree plan (s); School gardens; Unemployed; Workingmen's gardens (s)

*Refer from* Education; Playgrounds; Public schools; Schools; Summer schools; Vacations

*Refer from* Holidays; Hygiene; Outdoor life

*Refer from* Contagion and contagious diseases; Hygiene, Public; Immunity; Inoculation; Medicine; Smallpox; Varioloid

*Refer from* Cleaning; Compressed air; House cleaning; Sweeping

*Refer from* Chemical elements; Chemistry, Physical

*Refer from* Manners and customs; St. Valentine's day (s)

*Refer from* Erosion; Physical geography; Rivers

*Refer from* Cost; Economics; Prices; Standard of value (s); Supply and demand; Wages

*Refer from* Gearing; Link motion; Machinery; Safety valves; Slide valves (s); Steam engines

*Refer from* Animal lore; Animals, Mythical; Superstition

*Refer from* Barbarian invasions of Rome; Teutonic race; Wandalen (s)

*Refer from* Flavoring extracts

*Refer from* Biology; Botany; Evolution; Heredity; Mutation (s); Species; Transmutation of species (s); Zoology

*Refer from* Medicine — Practice; Smallpox; Vaccination





**Varnish and varnishing**

*See also* Japanning; Lacquer; Painting; Mechanical; Wood finishing

**Vascular system**

*See also* Anatomy; Arteries; Blood; Blood vessels; Heart; Physiology; Veins

**Vases**

*See also* Pottery; Urns

Vassals *see* Feudalism

**Vatican**

*See also* Catholic church; Popes; Rome (city)

**Vatican council**

*See also* Infallibility; Popes — Infallibility

**Vaudeville**

*See also* Theater

Vaudois *see* Waldenses

**Vaulting**

*See also* Arches; Architecture; Domes; Vaults

**Vaults**

*See also* Safes; Tombs; Vaulting

**Vector analysis**

*See also* Quaternions

**Vedanta**

*See also* Philosophy; Hindu; Theosophy; Vedas; Yoga

**Vedas**

*See also* Vedanta

Vegetable diet *see* Vegetarianism

Vegetable gardening *see* Gardening; Market gardening

Vegetable kingdom *see* Botany; Plants

Vegetable mold *see* Soils

Vegetable oils *see* Essences and essential oils; Oils and fats

Vegetable pathology *see* Plants — Diseases

Vegetable physiology *see* Botany — Physiology

**Vegetables**

*See also* Beets and beet sugar; Cookery — Vegetables; Gardening; Market gardening; Potatoes; Root crops; Vegetarianism

**Vegetarianism**

*See also* Animal food

**Vehicles**

*See also* Ambulances; Automobiles; Carriages; Cars; Chariots; Coaches and coaching; Omnibuses; Transportation; Wagons; Wheels

**Veins**

*See also* Arteries; Blood; Blood vessels

Velocipedes *see* Bicycles and tricycles

**Velocity**

*See also* Kinematics; Speed

*Refer from* Chemistry, Technical; Gums and resins; Japanning; Lacquer; Painting; Mechanical; Wood finishing

*Refer from* Anatomy; Blood vessels; Circulatory system (s); Physiology

*Refer from* Amphorae (s); Decoration and ornament; Pottery; Urns

*Refer from* Catholic church; Popes; Rome (city)

*Refer from* Catholic church — History; Councils and synods; Infallibility; Popes; Popes — Infallibility; Ultramontaniam

*Refer from* Acting; Actors; Amusements; Music halls; Stage (s); Theater; Variety stage (s)

*Refer from* Arches; Architecture; Building; Masonry; Roofs; Vaults

*Refer from* Architecture; Banks and banking; Safes; Tombs; Vaulting

*Refer from* Algebra; Quaternions

*Refer from* Brahmanism; Hinduism; Pantheism; Philosophy, Hindu; Theosophy; Vedas; Yoga

*Refer from* Brahmanism; Hindu literature; Hinduism; Sacred books; Sanskrit literature; Vedanta

*Refer from* Agricultural products; Beets and beet sugar; Botany; Food; Gardening; Market gardening; Potatoes; Root crops

*Refer from* Animal food; Diet; Food; Vegetable diet (s); Vegetables

*Refer from* Carriages; Transportation; Wagons

*Refer from* Arteries; Blood; Blood vessels; Vascular system

*Refer from* Kinematics; Motion; Physics; Speed



**Vendean war, 1793-1796**

*See also* Chouans; French revolution

Vendée, War of, *see* Vendean war

**Vendetta**

Vendors *see* Sale

**Veneers and veneering**

Venesection *see* Bloodletting

**Venom**

*See also* Poisons

Ventilating fans *see* Fans, Electric; Fans, Mechanical

**Ventilation**

*See also* Air pollution; Car heating, lighting and ventilation; Chimneys; Fans, Electric; Fans, Mechanical; Heating; Mine ventilation

Ventilation of mines *see* Mine ventilation

**Ventriloquism**

**Versailles (palace)**

**Versification**

*See also* Alliteration; Meter; Poetry; Prosody; Rhyme; Rhythm

Vertebral column *see* Spine

**Vertebrates**

*See also* Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

Vessels *see* Shipbuilding; Shipping; Ships; Steamboats

Vestments *see* Church vestments

**Veterinary medicine**

*See also* Animals — Diseases; Cattle — Diseases; Dogs; Domestic animals; Horse; Sheep; Swine; *also* names of diseases, e.g. Tuberculosis in animals

**Veto**

Viaducts *see* Bridges

**Vibration**

*See also* Heat; Light; Motion; Physics; Sound; Waves

**Vice**

*See also* Crime and criminals; Degeneration; Ethics; Prostitution

**Victoria cross**

Victorian literature *see* English literature — History and criticism — 19th century

**Views**

*See also* Pictures; *also* e.g. New York (city) — Description — Views; U. S. — Description and travel — Views

**Vigilance committees**

*See also* Lynch law

Vikings *see* Northmen

**Village communities**

*See also* Communism; Local government; Mark (land); Tribes and tribal system

**Villages**

*See also* Local government; Towns

*Refer from* Brittany; Chouans; French revolution; Vendée, War of (s)

*Refer from* Feuds (s); Manners and customs

*Refer from* Forest products; Furniture; Woodwork

*Refer from* Bites, Venomous (s); Poisons; Snake venom (s); Snakes

*Refer from* Air; Air pollution; Architecture; Building; Chimneys; Heating; Home economics; Hygiene; Sanitary engineering; Sanitation; Sanitation, Household

*Refer from* Amusements; Elocution; Voice

*Refer from* Art — Galleries and museums; France — Description and travel; Palaces

*Refer from* Alliteration; Authorship; Meter; Poetry; Prosody; Rhetoric

*Refer from* Amphibia; Birds; Fish; Mammals; Reptiles; Zoology

*Refer from* Animals — Diseases; Cattle — Diseases; Diseases of animals (s); Dogs; Domestic animals; Domestic animals — Diseases (s); Farriery (s); Horse; Live stock; Medicine; Sheep; Swine

*Refer from* Executive power; Government; Legislation; Presidents

*Refer from* Motion; Physics; Waves

*Refer from* Crime and criminals; Degeneration; Ethics; Immorality (s); Prostitution

*Refer from* Decorations of honor

*Refer from* Geography; Pictures

*Refer from* Courts; Crime and criminals; Criminal law; Lynch law; Western states

*Refer from* Commons; Communism; Communities (s); Government; Land tenure; Local government; Mark (land); Society, Primitive; Tribes and tribal system

*Refer from* Government; Local government; Towns



**Villainage** *see* Villeinage  
**Villas** *see* Architecture, Domestic; Cottages;  
Country houses

**Villeinage**  
*See also* Feudalism; Serfdom

**Villénage** *see* Villeinage  
**Vine** *see* Grape; Wine  
**Vines** *see* Climbing plants; Grape  
**Vineyards** *see* Grape  
**Violets**

*See also* Floriculture

**Violin**  
*See also* Stringed instruments; Violin  
music; Violinists  
**Violin music**

**Violinists**  
*See also* Musicians

**Violoncello**  
*See also* Stringed instruments

**Virgin birth of Christ** *see* Jesus Christ — Birth  
**Virgin Mary** *see* Mary, Virgin  
**Virgin Mary in art** *see* Madonnas  
**Virginal** *see* Piano  
**Virginia resolutions, 1798,** *see* Kentucky and  
Virginia resolutions, 1798

**Virtue**  
*See also* Chastity; Ethics; Goodness

**Viscera**  
*See also* Abdomen; Intestines; Kidneys;  
Liver

**Viscosity**  
*See also* Hydrodynamics; Matter; Splashes

**Visigoths** *see* Goths  
**Vision** *see* Color sense; Eye; Sight  
**Visions** *see* Apparitions; Dreams; Illusions  
and hallucinations  
**Visitations, Heraldic**

**Visiting** *see* Guests  
**Vitagraph** *see* Moving pictures  
**Vital records**

**Vital statistics**  
*See also* Birth rate; Census; Fecundity;  
Mortality; Population; Vital records; *also*  
names of countries, subhead Vital statistics

**Vitalism**  
**Vitascope** *see* Moving pictures  
**Viticulture** *see* Grape  
**Vivariums**  
*See also* Aquariums; Menageries

**Vivisection**  
*See also* Animal experimentation; Dis-  
section

**Vocal culture** *see* Singing and voice culture

*Refer from* Feudalism; Labor and laboring  
classes; Land tenure; Peasantry; Serfdom;  
Villainage (s); Villénage (s)

*Refer from* Floriculture; Flowers

*Refer from* Bow (music) (s); Fiddle (s);  
Musical instruments; Stringed instruments  
*Refer from* Instrumental music; Music —  
Scores; Violin

*Refer from* Musicians; Violin

*Refer from* Cello (s); Musical instruments;  
Stringed instruments

*Refer from* Conduct of life; Ethics; Goodness

*Refer from* Abdomen; Intestines

*Refer from* Fluids; Gases; Hydrodynamics;  
Liquids; Matter; Physics

*Refer from* Genealogy; Heraldic visita-  
tions (s); Heraldry

*Refer from* Archives; Birth records (s);  
Death records (s); Genealogy; Marriage  
records (s); Records of births, marriages and  
deaths (s); Registers of births, marriages and  
deaths (s); Vital statistics

*Refer from* Birth rate; Census; Death;  
Death rate (s); Life; Longevity; Man;  
Marriage statistics (s); Mortality; Popula-  
tion; Statistics  
*Refer from* Biology; Life

*Refer from* Animals; Menageries; Terrari-  
ums (s)

*Refer from* Anatomy; Animal experimenta-  
tion; Animals — Treatment; Dissection; Eth-  
ics; Pain; Surgery



Vocal music *see* Choral music; Church music; Music; Singing and voice culture; Songs

Vocal organs *see* Voice

Vocalists *see* Singers

**Vocational education**

*See also* Industrial education; Professional education; Technical education; Trade schools

Vocations *see* Occupations; Professions

**Voice**

*See also* Elocution; Music; Oratory; Singing and voice culture; Sound; Speech; Stammering; Throat; Ventriloquism

Voice culture *see* Singing and voice culture

**Volapük**

Volatile oils *see* Essences and essential oils

Volcanic rocks *see* Igneous rocks

**Volcanoes**

*See also* Earthquakes; Geology; Igneous rocks; Lava; Physical geography

Volition *see* Will

Voltaic arc *see* Electric arc

Voltaic cell *see* Electric batteries

Voltaic electricity *see* Electricity

Volumetric analysis *see* Chemistry — Analysis

Volunteers (U. S. army) *see* United States volunteer cavalry; United States volunteer infantry; *also* under names of states, e.g. New York artillery; New York cavalry; New York infantry

**Voodooism**

Voting *see* Ballot; Elections; Representative government and representation; Suffrage

**Voting machines**

Voodooism *see* Voodooism

Voyagers *see* Explorers; Travelers

**Voyages and travels**

*See also* Adventure; Antarctic regions; Arctic regions; Automobile touring; Buccaneers; Discoveries and explorations; Explorers; Geography; Ocean travel; Pilgrimages; Sailors; Scientific expeditions; Seafaring life; Travel; Travelers; Voyages and travels around the world; Whaling

—Early [to 1650]

**Voyages and travels around the world**

**Wager of battle**

*See also* Dueling

Wagers *see* Betting

**Wages**

*See also* Cost of living; Economics; Employment agencies; Income; Labor and laboring classes; Labor unions; Prices; Profit sharing; Salaries; Standard of living; Sweating system; Value

Wagon painting *see* Carriage painting

**Wagons**

*See also* Carriages; Vehicles

*Refer from* Colleges and universities; Curriculum; Education; Industrial education; Occupations; Professional education; Public schools; Technical education

*Refer from* Breathing; Elocution; Hygiene; Medicine — Practice; Music; Oratory; Physiology; Singing and voice culture; Sound; Speaking (s); Speech; Throat; Vocal organs (s)

*Refer from* Language, Artificial

*Refer from* Earth; Earthquakes; Geology; Lava; Mountains; Physical geography; Seismology (s)

*Refer from* Conjuring; Fetishism; Negroes — Social life and customs; Superstition; Voodooism (s)

*Refer from* Ballot; Elections

*Refer from* Adventure; Antarctic regions; Arctic regions; Discoveries and explorations; Explorers; Geography; Journeys (s); Navigation; Ocean; Ocean travel; Travel; Travelers; Travels (s)

*Refer from* Circumnavigation (s); Travels around the world (s); Voyages and travels

*Refer from* Battle, Wager of (s); Combat, Trial by (s); Dueling; Law; Trial by combat (s)

*Refer from* Compensation (s); Cost of living; Economics; Income; Labor and capital; Labor and laboring classes; Labor unions; Piece work (s); Prices; Profit; Salaries; Standard of living; Workmen's compensation (s)

*Refer from* Vehicles





**Wahabis**

*See also* Arabia — History; Mohammedanism

Wahhabites *see* Wahabis

**Waiters**

*See also* Servants; Tipping

Waitresses *see* Waiters

**Waldenses**

*See also* Albigenses; Huguenots; Reformation — France

**Walking**

*See also* Running

Wall decoration *see* Mural painting and decoration

Wall painting *see* Mural painting and decoration

**Wall paper**

*See also* Mural painting and decoration; Tapestry

**Wall street, New York city**

*See also* Speculation; Stock exchange

**Walls**

*See also* Building; Dams; Foundations; Masonry; Mural painting and decoration; Sea walls

**Waltzes**

*See also* Dance music

Waltzing *see* Dancing

**Wampum**

*See also* Shell money

Wandalen *see* Vandals

**Wandering Jew****War**

*See also* Arbitration, International; Armies; Battles; Blockade; Contraband of war; Disarmament; Guerrillas; Imaginary wars and battles; International law; International relations; Intervention; Martial law; Militarism; Military art and science, and other headings beginning Military; Naval art and science; Navies; Neutrality; Peace; Prisoners of war; Prizes (international law); Recognition (international law); Red cross; Sieges; War correspondence; War games; War poetry; War songs; *also* names of wars, e.g. French revolution

**War correspondence**

War cries *see* Battle cries

**War games**

*See also* Military maneuvers

War of 1812 *see* U. S. — History — War of 1812

War of the Austrian succession *see* Austrian succession, War of

War of the Roses *see* Wars of the Roses

*Refer from* Arabia — History; Mohammedanism; Wahhabites (s)

*Refer from* Restaurants; Servants; Table; Waitresses (s)

*Refer from* Albigenses; Church history — Middle ages; Huguenots; Reformation — France; Sects; Valdenses (s); Vaudois (s)

*Refer from* Animal locomotion; Athletics; Exercise; Locomotion; Outdoor life; Pedestrianism (s); Physical education; Running; Sports; Track athletics

*Refer from* House decoration; Mural painting and decoration; Paper; Paper hanging (s)

*Refer from* New York (city) — Streets; Speculation; Stock exchange; Stocks

*Refer from* Architecture; Building; Civil engineering; Dams; Earthwork; Engineering; Foundations; Masonry; Retaining walls (s)

*Refer from* Dance music; Valses (s)

*Refer from* Beads; Indians; Money; Shell money

*Refer from* Legends

*Refer from* Arbitration, International; Armies; Disarmament; Ethics; Fighting (s); International law; International relations; Militarism; Military art and science; Naval art and science; Peace; Social problems; Sociology

*Refer from* Correspondence (s); Journalism; Reporting; War

*Refer from* Military art and science; Military maneuvers; Tactics; War



**Water—Continued**

**—Underground**

*See also* Divining rod; Soil moisture; Springs; Wells

Water analysis *see* Water — Analysis

**Water birds**

*See also* Birds; Ducks; Geese

**Water color painting**

*See also* Painting

Water cure *see* Hydrotherapy

Water flow *see* Hydraulics

**Water gardens**

*See also* Aquariums; Aquatic plants

Water heating *see* Hot water heating

Water insects *see* Insects, Aquatic

**Water meters**

Water plants *see* Aquatic plants

**Water pollution**

*See also* Sewage; Water — Analysis; Water — Purification; Water supply

**Water power**

*See also* Flumes; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Hydro-electric plants

Water-power electric plants *see* Hydro-electric plants

Water purification *see* Water — Purification

**Water rights**

*See also* Riparian rights; Water supply

Water softening *see* Water — Purification

Water sports *see* Aquatic sports

**Water supply**

*See also* Aqueducts; Artesian wells; Canals; Dams; Droughts; Filters and filtration; Forests and forestry; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumping stations; Pumps; Reservoirs; Water; Water — Purification; Water meters; Water pollution; Water rights; Wells; *also* names of cities, subhead Water supply — U. S.

**Water wheels**

*See also* Hydraulic motors; Turbines

Watercourses *see* Waterways

**Waterfalls**

Waterfowl *see* Water birds

Watering places *see* Health resorts; Summer resorts

**Waterloo, Battle of, 1815**

*See also* France — History — Consulate and empire; Napoleonic wars

**Waterproofing**

*See also* Corrosion and anti-corrosives; Dampness in buildings

**Waterspouts**

*See also* Meteorology

*Refer from* Ground water (s); Hydrology (s); Physical geography; Springs; Subterranean water (s); Underground water (s); Wells

*Refer from* Aquatic birds (s); Birds; Ducks; Geese; Waterfowl (s); Wild fowl (s)

*Refer from* Painting

*Refer from* Aquariums; Aquatic gardening (s); Aquatic plants; Gardens; Landscape gardening

*Refer from* Meters (s); Water supply

*Refer from* Hygiene; Hygiene, Public; Pollution of streams (s); Refuse and refuse disposal; Rivers; Sanitary chemistry; Sewage; Water supply

*Refer from* Conservation of resources; Flumes; Hydraulic engineering; Hydraulic power (s); Hydraulics; Natural resources; Power; Rivers

*Refer from* Irrigation; Riparian rights; Water supply

*Refer from* Civil engineering; Engineering; Filters and filtration; Hydraulic engineering; Hygiene, Public; Municipal engineering; Pumping stations; Reservoirs; Sanitary engineering; Sanitation; Water; Water — Purification; Water pollution; Water rights; Waterworks (s)

*Refer from* U. S. — Water supply (s)

*Refer from* Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Machinery; Motors; Turbines; Wheels

*Refer from* Cataracts (s); Falls (s); Physical geography; Water

*Refer from* Battles; France — History — Consulate and empire; Napoleonic wars

*Refer from* Corrosion and anti-corrosives; Textile industry and fabrics

*Refer from* Meteorology; Physical geography; Water



**Water**—Continued

**—Underground**

*See also* Divining rod; Soil moisture; Springs; Wells

Water analysis *see* Water — Analysis

**Water birds**

*See also* Birds; Ducks; Geese

**Water color painting**

*See also* Painting

Water cure *see* Hydrotherapy

Water flow *see* Hydraulics

**Water gardens**

*See also* Aquariums; Aquatic plants

Water heating *see* Hot water heating

Water insects *see* Insects, Aquatic

**Water meters**

Water plants *see* Aquatic plants

**Water pollution**

*See also* Sewage; Water — Analysis; Water — Purification; Water supply

**Water power**

*See also* Flumes; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Hydro-electric plants

Water-power electric plants *see* Hydro-electric plants

Water purification *see* Water — Purification

**Water rights**

*See also* Riparian rights; Water supply

Water softening *see* Water — Purification

Water sports *see* Aquatic sports

**Water supply**

*See also* Aqueducts; Artesian wells; Canals; Dams; Droughts; Filters and filtration; Forests and forestry; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumping stations; Pumps; Reservoirs; Water; Water — Purification; Water meters; Water pollution; Water rights; Wells; *also* names of cities, subhead Water supply

—U. S.

**Water wheels**

*See also* Hydraulic motors; Turbines

Watercourses *see* Waterways

**Waterfalls**

Waterfowl *see* Water birds

Watering places *see* Health resorts; Summer resorts

**Waterloo, Battle of, 1815**

*See also* France — History — Consulate and empire; Napoleonic wars

**Waterproofing**

*See also* Corrosion and anti-corrosives; Dampness in buildings

**Waterspouts**

*See also* Meteorology

*Refer from* Ground water (s); Hydrology (s); Physical geography; Springs; Subterranean water (s); Underground water (s); Wells

*Refer from* Aquatic birds (s); Birds; Ducks; Geese; Waterfowl (s); Wild fowl (s)

*Refer from* Painting

*Refer from* Aquariums; Aquatic gardening (s); Aquatic plants; Gardens; Landscape gardening

*Refer from* Meters (s); Water supply

*Refer from* Hygiene; Hygiene, Public; Pollution of streams (s); Refuse and refuse disposal; Rivers; Sanitary chemistry; Sewage; Water supply

*Refer from* Conservation of resources; Flumes; Hydraulic engineering; Hydraulic power (s); Hydraulics; Natural resources; Power; Rivers

*Refer from* Irrigation; Riparian rights; Water supply

*Refer from* Civil engineering; Engineering; Filters and filtration; Hydraulic engineering; Hygiene, Public; Municipal engineering; Pumping stations; Reservoirs; Sanitary engineering; Sanitation; Water; Water — Purification; Water pollution; Water rights; Waterworks (s)

*Refer from* U. S. — Water supply (s)

*Refer from* Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Machinery; Motors; Turbines; Wheels

*Refer from* Cataracts (s); Falls (s); Physical geography; Water

*Refer from* Battles; France — History — Consulate and empire; Napoleonic wars

*Refer from* Corrosion and anti-corrosives; Textile industry and fabrics

*Refer from* Meteorology; Physical geography; Water



**Waterways**

*See also* Canals; Ferries; Freight; Inland navigation; Navigation; Riparian rights; Rivers

**—U. S.**

*See also* Canals — U. S.; Great Lakes; Rivers — U. S.

Waterworks *see* Water supply

**Wattmeter****Waves**

*See also* Electric waves; Ether (of space); Light; Sound; Vibration

**Wax****Wax flowers**

Waxworks, Living, *see* Jarley waxworks

**Wayfaring life**

*See also* Minstrels; Outdoor life; Tramps

**Wealth**

*See also* Banks and banking; Business; Capital; Capitalists and financiers; Economics; Finance; Income; Labor and laboring classes; Leisure class; Luxury; Millionaires; Misers; Money; Property; Prosperity; Success

Weapons *see* Arms and armor; Firearms; Indians — Implements and weapons; Swords

Weariness *see* Fatigue

**Weather**

*See also* Climate; Droughts; Meteorology; Storms; Weather forecasts; Weather lore; Winds

**Weather forecasts**

*See also* Weather lore

**Weather lore****Weaving**

*See also* Basketwork; Beadwork; Blankets; Carpets; Lace; Looms; Rugs; Textile industry and fabrics

**Wedding anniversaries****Weddings**

*See also* Etiquet; Marriage; Marriage customs and rites; Wedding anniversaries

**Weeds****Weevils**

*See also* Beetles; Boll weevil

**Weights and measures**

*See also* Arithmetic; Decimal system; Electric measurement; Gaging; Gravitation; Measuring instruments; Mensuration; Metric system; Specific gravity; Standards of length; Units

Weirs *see* Dams

**Welding**

*See also* Blowpipe; Solder and soldering

Welfare institutions for laborers *see* Industrial betterment

**Wells**

*See also* Artesian wells; Boring; Gas, Natural; Holy wells; Petroleum; Springs; Water, Underground

*Refer from* Canals; Commerce; Communication; Inland navigation; Rivers; Transportation; Watercourses (s); Water

*Refer from* Canals — U. S.; Rivers — U. S.; U. S. — Commerce; U. S. — Waterways (s)

*Refer from* Electric meters; Meters (s)

*Refer from* Hydrodynamics; Ocean; Physical geography; Physics; Vibration; Water

*Refer from* Adhesives; Bees

*Refer from* Artificial flowers; Flowers

*Refer from* Minstrels; Outdoor life; Tramps; Vagabonds (s)

*Refer from* Business; Business ethics; Capital; Distribution of wealth (s); Economics; Ethics; Finance; Fortunes (s); Income; Luxury; Millionaires; Money; Plutocracy (s); Property; Riches (s); Social ethics

*Refer from* Climate; Meteorology

*Refer from* Forecasts; Meteorology; Weather  
*Refer from* Folklore; Meteorology; Proverbs; Superstition; Weather; Weather forecasts

*Refer from* Arts and crafts; Carpets; Cotton; Domestic arts; Industrial arts; Looms; Manual training; Textile industry and fabrics

*Refer from* Anniversaries; Marriage; Weddings

*Refer from* Bridal customs (s); Etiquet; Marriage; Marriage customs and rites

*Refer from* Agricultural pests; Botany; Botany, Economic; Gardening; Plants

*Refer from* Beetles; Insects, Injurious and beneficial

*Refer from* Cambistry (s); Commerce; Decimal system; Gravitation; Measures (s); Mensuration; Metric system; Metrology (s); Science; Specific gravity; Standards (s); Units

*Refer from* Blacksmithing; Blowpipe; Electric welding (s); Forging; Ironwork; Machine shop practice; Metal work; Metals; Solder and soldering

*Refer from* Artesian wells; Hydraulic engineering; Springs; Water, Underground; Water supply





**Welsh language**

*See also* Celtic languages

**Welsh literature**

*See also* Celtic literature

**Werwolves**

*See also* Animals, Mythical

**Wesleyan Methodist church**

Wesleyans *see* Methodist Episcopal church;  
Wesleyan Methodist church

West (U. S.) *see* Western states

Western empire *see* Holy Roman empire

**Western Reserve**

*See also* Ohio

**Western states**

*See also* Cowboys; Frontier and pioneer life; Indians; Lewis and Clark expedition; New Englanders in the West; Northwest Territory; Northwestern states; Oregon trail; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Salt Lake trail; Santa Fé trail; Southwestern states; Vigilance committees; *also* names of states, cities, etc.

**Westminster abbey****Whales**

*See also* Cetacea; Whaling

**Whaling**

*See also* Harpoons

**Wharves**

*See also* Docks; Piles and pile driving;  
*also* names of cities, subhead Wharves

**Wheat**

*See also* Flour and flour mills; Grain;  
Hessian flies

Wheeling *see* Cycling

**Wheels**

*See also* Axles; Car wheels; Carriages;  
Machinery; Tires; Turbines; Water wheels

**Whig party (England)****Whig party (U. S.)**

Whipping *see* Corporal punishment; Flogging

Whirlwinds *see* Storms

**Whisky insurrection, 1794**

*See also* Pennsylvania — History; U. S.  
— History — 1783-1812

**Whist**

*See also* Bridge whist; Cards

White league *see* Ku-Klux Klan

White slave trade *see* Prostitution

**Widows**

*See also* Wives

Wife *see* Wives

Wild animals *see* Animals; Zoology

Wild flowers *see* Flowers

Wild fowl *see* Game birds; Water birds

Wild geese *see* Geese

**Wilderness road**

*Refer from* Celtic languages; Cymric language (s); Kymric language (s)

*Refer from* Celtic literature; Cymric literature (s); Kymric literature (s)

*Refer from* Animal lore; Animals, Mythical; Lycanthropy (s); Superstition

*Refer from* Methodism; Sects; Wesleyans (s)

*Refer from* Connecticut Reserve (s); Northwest Territory, U. S.; Ohio

*Refer from* Frontier and pioneer life; Indians; Northwestern states; Overland journeys to the Pacific; Pacific states; Prairies; Ranch life; Southwestern states; West (U. S.) (s)

*Refer from* Abbeys; London

*Refer from* Cetacea

*Refer from* Seafaring life; Voyages and travels; Whales

*Refer from* Docks; Harbors; Hydraulic engineering; Piers (s); Piles and pile driving

*Refer from* Flour and flour mills; Grain

*Refer from* Axles; Carriages; Machinery; Tires; Vehicles

*Refer from* England — Politics; Political parties

*Refer from* Political parties; U. S. — Politics

*Refer from* Pennsylvania — History; U. S. — History — 1783-1812

*Refer from* Bridge whist; Cards

*Refer from* Family; Wives; Women

*Refer from* Boone's trail (s); Kentucky; Roads — U. S.; Virginia



**Will**

*See also* Ethics; Freedom of the will; Psychology

**Wills**

*See also* Administrators and executors; Guardians; Inheritance; Legacies; Probate law and practice

**Wind** *see* Winds**Wind instruments**

*See also* Bagpipes; Bands (music); Flute; Musical instruments

**Windmills****Window dressing****Window gardening**

*See also* Floriculture

**Windows**

*See also* Architecture; Glass; Grilles; Lattice; Skylights; Stained glass; Window dressing; Window gardening

**Winds**

*See also* Anemometer; Cyclones; Hurricanes; Meteorology; Storms; Tornadoes

**Windsor castle**

*See also* Castles — England

**Wine**

*See also* Grape; Liquors; Temperance

**Wings**

*See also* Birds; Flight

**Winter**

*See also* Seasons; Winter resorts; Winter sports

Winter gardening *see* Greenhouses; Window gardening

**Winter resorts**

*See also* Health resorts; Riviera

**Winter sports**

*See also* Coasting; Curling; Hockey; Ice boats; Skating; Skees and skee-running; Sports; Tobogganing

**Wire**

*See also* Cables; Electric wire and wiring; Fence wire

**Wireless telegraphy**

*See also* Coherers; Electric waves

Wireless telephony *see* Telephone, Wireless

Wiring, Electric, *see* Electric conductors;

Electric wire and wiring

Wise men of the East *see* Magi

Wit and humor *see* Humor

**Witchcraft**

*See also* Amulets; Charms; Demonology; Evil eye; Magic; Medicine men; Occult sciences; Superstition

*Refer from* Ethics; Freedom of the will; Philosophy; Psychology; Volition (s)

*Refer from* Administrators and executors; Bequests (s); Genealogy; Inheritance; Law; Legacies; Probate law and practice; Property

*Refer from* Bagpipes; Bands (music); Brass instruments (s); Flute; Musical instruments

*Refer from* Farm motors; Irrigation; Machinery; Motors

*Refer from* Advertising; Business; Decoration and ornament; Shop window decoration (s); Show windows (s); Windows

*Refer from* Floriculture; Flowers; Gardening; House plants (s); Windows; Winter gardening (s)

*Refer from* Architecture; Building; Glass

*Refer from* Currents (s); Gales (s); Meteorology; Storms; Trade winds (s); Weather; Wind (s)

*Refer from* Castles — England; Palaces

*Refer from* Grape; Liquors; Vine (s)

*Refer from* Birds; Flight; Insects; Zoology

*Refer from* Seasons

*Refer from* Health resorts; Resorts (s); Winter

*Refer from* Coasting; Curling; Hockey; Ice boats; Ice sports (s); Skating; Skees and skee-running; Sports; Tobogganing; Winter

*Refer from* Cables; Metals; Rope

*Refer from* Coherers; Collisions at sea; Communication; Electric engineering; Electric waves; Electricity; Marconigrams (s); Radiotelegraphy (s); Signals; Space telegraphy (s); Telegraph; Telegraph, Wireless (s)

*Refer from* Black art (s); Charms; Church history; Conjuring; Delusions (s); Demonology; Evil eye; Exorcism (s); Folklore; Magic; Necromancy (s); Occult sciences; Persecution; Sorcery (s); Spirits (s); Superstition



War of the Spanish succession *see* Spanish succession, War of

**War poetry**

*See also* War songs; *also* under various wars, e.g. U. S. — History — Revolution — Poetry

War-ships *see* Warships

**War songs**

*See also* War poetry

Wards *see* Guardians

**Warehouses**

*See also* Bailments; Grain elevators

Warming *see* Heating

Warnings *see* Omens

Wars *see* Military history; *also* names of wars, and names of countries, subheads History and History, Military

Wars, Imaginary, *see* Imaginary wars and battles

**Wars of the Roses**

*See also* England — History — Lancaster and York

**Warships**

*See also* Armor plate; Armored vessels; Galleys; Naval art and science; Navies; Submarine boats; Torpedo boats; *also* names of countries, subhead Navy

**Warwick castle**

*See also* Castles — England; Warwickshire, Eng.

Washing *see* Laundry

**Wasps**

*See also* Hymenoptera

Waste, Disposal of, *see* Refuse and refuse disposal; Sewage; Waste products

**Waste products**

*See also* Refuse and refuse disposal; Slag

Watches *see* Clocks and watches

**Water**

*See also* Baths and bathing; Dew; Erosion; Feed water; Fog; Frost; Glaciers; Hail; Hydraulic engineering; Hydraulics; Hydrostatics; Ice; Lakes; Meteorology; Mineral waters; Ocean; Physical geography; Ponds; Rain; Rivers; Sea water; Snow; Springs; Steam; Swimming; Water supply, and other headings beginning Water; Waterfalls; Waterspouts; Waterways; Waves

**—Analysis**

*See also* Bacteriology

**—Purification**

*See also* Feed water; Filters and filtration; Water supply

*Refer from* Poetry; Poetry of war (s); War; War songs

*Refer from* Battle-songs (s); National songs; Patriotic songs (s); Songs; War; War poetry

*Refer from* Architecture; Bailments; Business; Commerce; Tariff

*Refer from* England — History — Lancaster and York; Roses, Wars of the (s); War of the Roses (s)

*Refer from* Armored vessels; Battle-ships (s); Battleships (s); Cruisers (s); Fleets (s); Naval art and science; Navies; Sea power; Shipbuilding; Ships; Steamboats; War-ships (s)

*Refer from* Castles — England; Warwickshire, Eng.

*Refer from* Hymenoptera

*Refer from* By-products (s); Chemical engineering; Chemistry, Technical; Factory waste (s); Industrial arts; Manufactures; Refuse and refuse disposal; Trades waste (s); Waste, Disposal of (s)

*Refer from* Beverages; Hydraulic engineering; Hydraulics; Hydrology (s); Hydrostatics; Ice; Physical geography; Physics; Water supply

*Refer from* Bacteriology; Sanitary chemistry; Water analysis (s); Water pollution

*Refer from* Feed water; Filters and filtration; Municipal engineering; Purification of water(s); Sanitary chemistry; Sanitary engineering; Sanitation; Water pollution; Water purification (s); Water softening (s); Water supply



**Water—Continued**

**—Underground**

*See also* Divining rod; Soil moisture; Springs; Wells

Water analysis *see* Water — Analysis

**Water birds**

*See also* Birds; Ducks; Geese

**Water color painting**

*See also* Painting

Water cure *see* Hydrotherapy

Water flow *see* Hydraulics

**Water gardens**

*See also* Aquariums; Aquatic plants

Water heating *see* Hot water heating

Water insects *see* Insects, Aquatic

**Water meters**

Water plants *see* Aquatic plants

**Water pollution**

*See also* Sewage; Water — Analysis; Water — Purification; Water supply

**Water power**

*See also* Flumes; Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Hydro-electric plants

Water-power electric plants *see* Hydro-electric plants

Water purification *see* Water — Purification

**Water rights**

*See also* Riparian rights; Water supply

Water softening *see* Water — Purification

Water sports *see* Aquatic sports

**Water supply**

*See also* Aqueducts; Artesian wells; Canals; Dams; Droughts; Filters and filtration; Forests and forestry; Fountains; Hydraulic engineering; Irrigation; Plumbing; Pumping stations; Pumps; Reservoirs; Water; Water — Purification; Water meters; Water pollution; Water rights; Wells; *also* names of cities, subhead Water supply — U. S.

**Water wheels**

*See also* Hydraulic motors; Turbines

Watercourses *see* Waterways

**Waterfalls**

Waterfowl *see* Water birds

Watering places *see* Health resorts; Summer resorts

**Waterloo, Battle of, 1815**

*See also* France — History — Consulate and empire; Napoleonic wars

**Waterproofing**

*See also* Corrosion and anti-corrosives; Dampness in buildings

**Waterspouts**

*See also* Meteorology

*Refer from* Ground water (s); Hydrology (s); Physical geography; Springs; Subterranean water (s); Underground water (s); Wells

*Refer from* Aquatic birds (s); Birds; Ducks; Geese; Waterfowl (s); Wild fowl (s)

*Refer from* Painting

*Refer from* Aquariums; Aquatic gardening (s); Aquatic plants; Gardens; Landscape gardening

*Refer from* Meters (s); Water supply

*Refer from* Hygiene; Hygiene, Public; Pollution of streams (s); Refuse and refuse disposal; Rivers; Sanitary chemistry; Sewage; Water supply

*Refer from* Conservation of resources; Flumes; Hydraulic engineering; Hydraulic power (s); Hydraulics; Natural resources; Power; Rivers

*Refer from* Irrigation; Riparian rights; Water supply

*Refer from* Civil engineering; Engineering; Filters and filtration; Hydraulic engineering; Hygiene, Public; Municipal engineering; Pumping stations; Reservoirs; Sanitary engineering; Sanitation; Water; Water — Purification; Water pollution; Water rights; Waterworks (s)

*Refer from* U. S. — Water supply (s)

*Refer from* Hydraulic engineering; Hydraulic machinery; Hydraulic motors; Machinery; Motors; Turbines; Wheels

*Refer from* Cataracts (s); Falls (s); Physical geography; Water

*Refer from* Battles; France — History — Consulate and empire; Napoleonic wars

*Refer from* Corrosion and anti-corrosives; Textile industry and fabrics

*Refer from* Meteorology; Physical geography; Water





**Waterways**

*See also* Canals; Ferries; Freight; Inland navigation; Navigation; Riparian rights; Rivers

**—U. S.**

*See also* Canals — U. S.; Great Lakes; Rivers — U. S.

Waterworks *see* Water supply

**Wattmeter****Waves**

*See also* Electric waves; Ether (of space); Light; Sound; Vibration

**Wax****Wax flowers**

Waxworks, Living, *see* Jarley waxworks

**Wayfaring life**

*See also* Minstrels; Outdoor life; Tramps

**Wealth**

*See also* Banks and banking; Business; Capital; Capitalists and financiers; Economics; Finance; Income; Labor and laboring classes; Leisure class; Luxury; Millionaires; Misers; Money; Property; Prosperity; Success

Weapons *see* Arms and armor; Firearms; Indians — Implements and weapons; Swords

Weariness *see* Fatigue

**Weather**

*See also* Climate; Droughts; Meteorology; Storms; Weather forecasts; Weather lore; Winds

**Weather forecasts**

*See also* Weather lore

**Weather lore****Weaving**

*See also* Basketwork; Beadwork; Blankets; Carpets; Lace; Looms; Rugs; Textile industry and fabrics

**Wedding anniversaries****Weddings**

*See also* Etiquet; Marriage; Marriage customs and rites; Wedding anniversaries

**Weeds****Weevils**

*See also* Beetles; Boll weevil

**Weights and measures**

*See also* Arithmetic; Decimal system; Electric measurement; Gaging; Gravitation; Measuring instruments; Mensuration; Metric system; Specific gravity; Standards of length; Units

Weirs *see* Dams

**Welding**

*See also* Blowpipe; Solder and soldering

Welfare institutions for laborers *see* Industrial betterment

**Wells**

*See also* Artesian wells; Boring; Gas, Natural; Holy wells; Petroleum; Springs; Water, Underground

*Refer from* Canals; Commerce; Communication; Inland navigation; Rivers; Transportation; Watercourses (s); Water

*Refer from* Canals — U. S.; Rivers — U. S.; U. S. — Commerce; U. S. — Waterways (s)

*Refer from* Electric meters; Meters (s)

*Refer from* Hydrodynamics; Ocean; Physical geography; Physics; Vibration; Water

*Refer from* Adhesives; Bees

*Refer from* Artificial flowers; Flowers

*Refer from* Minstrels; Outdoor life; Tramps; Vagabonds (s)

*Refer from* Business; Business ethics; Capital; Distribution of wealth (s); Economics; Ethics; Finance; Fortunes (s); Income; Luxury; Millionaires; Money; Plutocracy (s); Property; Riches (s); Social ethics

*Refer from* Climate; Meteorology

*Refer from* Forecasts; Meteorology; Weather  
*Refer from* Folklore; Meteorology; Proverbs; Superstition; Weather; Weather forecasts

*Refer from* Arts and crafts; Carpets; Cotton; Domestic arts; Industrial arts; Looms; Manual training; Textile industry and fabrics

*Refer from* Anniversaries; Marriage; Weddings

*Refer from* Bridal customs (s); Etiquet; Marriage; Marriage customs and rites

*Refer from* Agricultural pests; Botany; Botany, Economic; Gardening; Plants

*Refer from* Beetles; Insects, Injurious and beneficial

*Refer from* Cambistry (s); Commerce; Decimal system; Gravitation; Measures (s); Mensuration; Metric system; Metrology (s); Science; Specific gravity; Standards (s); Units

*Refer from* Blacksmithing; Blowpipe; Electric welding (s); Forging; Ironwork; Machine shop practice; Metal work; Metals; Solder and soldering

*Refer from* Artesian wells; Hydraulic engineering; Springs; Water, Underground; Water supply



- exercises; Elements, Worship of; Family worship; Fetishism; Fire worship; Hymns; Idolatry; Incense; Litanies; Liturgies; Nature worship; Prayer; Prayers; Responsive worship; Rites and ceremonies; Ritualism; Sacraments; Sacrifice; Serpent worship; Sun worship; Totems and totemism; Tree worship
- Worsted**  
*See also* Textile industry and fabrics; Wool; Yarn
- Wounds**  
*See also* Hemorrhage; Surgery
- Wrecking**  
*See also* Salvage
- Wrecks** *see* Shipwrecks
- Wrestling**  
*See also* Jiu-jitsu
- Writers** *see* Authors
- Writing**  
*See also* Abbreviations; Alphabet; Authorship; Autographs; Books; Capitalization; Ciphers; Cuneiform writing; Forgery; Graphology; Hieroglyphics; Ink; Inscriptions; Letter writing; Lettering; Manuscripts; Paleography; Paper; Penmanship; Pens; Picture writing; Punctuation; Rhetoric; Shorthand; Typewriting
- Writing for the press** *see* Authorship; Journalism
- Wrongs** *see* Torts
- Wrought iron**  
*See also* Ironwork
- Wrought iron work** *see* Ironwork
- Wyoming massacre, 1778**
- X ray photography** *see* Radiography
- X rays**  
*See also* Cathode rays; Electric discharges through gases; Ions; N rays; Radiography; Radiotherapy
- Xylography** *see* Block books; Wood engraving
- Yachting** *see* Yachts and yachting
- Yachts and yachting**  
*See also* America's cup; Aquatic sports; Boats and boating; Land yachts; Navigation; Sailing
- Yarn**  
*See also* Cotton; Flax; Hemp; Silk; Spinning; Textile industry and fabrics; Wool; Worsted
- Yawning**
- Year**  
*See also* Calendar; Chronology; Months; Seasons
- Year-books** *see* Yearbooks
- Yearbooks**  
*See also* Almanacs; Annuals; Calendars
- Yeast**  
*See also* Fermentation
- ligious services (s); Rites and ceremonies; Ritualism; Theology
- Refer from* Textile industry and fabrics; Wool; Yarn
- Refer from* Accidents; Injuries (s); Surgery; Surgery, Military; Surgery, Naval
- Refer from* Salvage; Shipwrecks
- Refer from* Athletics; Jiu-jitsu; Sports
- Refer from* Alphabet; Books; Chirography (s); Ciphers; Graphology; Handwriting (s); Inscriptions; Language; Manuscripts; Paleography; Penmanship; Shorthand
- Refer from* Iron; Ironwork
- Refer from* Massacres; Pennsylvania — History; U. S. — History — Revolution — Campaigns and battles
- Refer from* Cathode rays; Diagnosis; Dislocations; Electric discharges through gases; Electricity; Fractures; Induction coils; Light; Radiation; Radioactivity; Radiography; Radiotherapy; Roentgen rays (s); Therapeutics
- Refer from* America's cup; Aquatic sports; Boat building (s); Boats and boating; Cup races (s); Navigation; Racing (s); Regattas (s); Sailing; Shipbuilding; Ships; Sports; Steam yachts (s); Steamboats; Yachting (s)
- Refer from* Spinning; Textile industry and fabrics; Wool; Worsted
- Refer from* Breathing; Physiology
- Refer from* Calendar; Chronology; Months
- Refer from* Almanacs; Annuals; Calendars; Registers; Statistics; Year-books (s)
- Refer from* Cookery; Fermentation



**Yellow fever**

*See also* Mosquitoes

Yellow journalism *see* Journalism; Newspapers

Yellow peril *see* Eastern question (Far East);

Race problems; Yellow races

**Yellow races**

*See also* Color of man; Mongols; Ethnology — China; Ethnology — Japan

**Yells**

*See also* Battle cries

**Yiddish language****Yiddish literature****Yoga**

*See also* Hinduism; Philosophy, Hindu; Theosophy; Vedanta

**Young men**

*See also* Boys; Conduct of life; Gentlemen; Men; Self-culture; Success; Youth  
Young people *see* Boys; Children; Girls; Young men; Young women; Youth

**Young women**

*See also* Conduct of life; Girls; Self-culture; Women; Youth

**Youth**

*See also* Boys; Children; Girls; Puberty; Young men; Young women

Zend-Avesta *see* Avesta

**Zinc**

*See also* Brass; Galvanizing; Metals

**Zincography**

*See also* Etching

**Zionism**

*See also* Jews

Zoar community *see* Separatist society of Zoar

Zoarites *see* Separatist society of Zoar

**Zodiac**

*See also* Astrology; Astronomy

**Zodiacal light**

*See also* Auroras

Zoogeography *see* Geographical distribution of animals and plants

**Zoological gardens**

*See also* Menageries

Zoological mythology *see* Animal lore; Animals, Mythical

Zoological nomenclature *see* Zoology — Nomenclature

**Zoologists**

*See also* Entomologists; Naturalists; Ornithologists

*Refer from* Contagion and contagious diseases; Epidemics; Fever; Insects as carriers of contagion; Medicine — Practice; Mosquitoes; Tropics — Diseases and hygiene

*Refer from* Ethnology; Ethnology — Asia; Ethnology — China; Ethnology — Japan; Race problems; Yellow peril (s)

*Refer from* College yells (s); Cries (s)

*Refer from* German Hebrew (s); Hebrew language; Jewish language (s); Jews — Language (s); Judeo-German (s); Judeo-German (s)

*Refer from* Hebrew literature; Jewish literature; Jews — Literature (s)

*Refer from* Hinduism; Philosophy, Hindu; Theosophy; Vedanta

*Refer from* Boys; Conduct of life; Men; Young people (s); Youth

*Refer from* Conduct of life; Girls; Women; Young people (s); Youth

*Refer from* Adolescence (s); Age; Boys; Child study; Children; Conduct of life; Girls; Puberty; Young men; Young women; Young people (s)

*Refer from* Metals; Mines and mineral resources; Sheet-metal work

*Refer from* Etching; Lithography; Lithozincography (s); Printing

*Refer from* Jews; Jews — Political and social conditions

*Refer from* Astronomy; Stars

*Refer from* Astronomy; Light

*Refer from* Animals; Animals in captivity (s); Menageries; Parks; Zoology

*Refer from* Naturalists; Scientists; Zoology



**Zoology** [for systematic works and those dealing with zoology as a science]

*See also* Anatomy, Comparative; Animalcules; Animals; Aquariums; Biology; Birds; Cave fauna; Cells; Color of animals; Domestic animals; Domestication; Ecology; Electrophysiology; Embryology; Evolution; Fish; Fresh-water fauna; Fur-bearing animals; Game; Geographical distribution of animals and plants; Heredity; Horns; Insects; Instinct; Invertebrates; Mammals; Man; Marine zoology; Menageries; Mendel's law; Microscope and microscopy; Monsters; Natural history; Nature study; Nests; Paleontology; Parasites; Phosphorescence; Physiology, Comparative; Psychology, Comparative; Quadrupeds; Reproduction; Species; Taxidermy; Variation (biology); Vertebrates; Wings; Zoological gardens; Zoologists; *also* headings beginning Animal, and names of animals and of classes, orders and families of animals

—**Economic**

*See also* Animal products; Birds, Useful and injurious; Domestic animals; Fur-bearing animals; Insects, Injurious and beneficial

—**Nomenclature**

—**U. S.**

*See also* Birds — U. S.; Fish — U. S.; Insects — U. S.; Mollusks — U. S.; Reptiles — U. S.

Zootomy *see* Anatomy, Comparative

**Zoroastrianism**

*See also* Avesta; Dualism; Fire worship; Parsees

Zymotic diseases *see* Contagion and contagious diseases

*Refer from* Anatomy, Comparative; Animal kingdom (s); Animals; Beasts (s); Biology; Brutes (s); Domestic animals; Fauna (s); Invertebrates; Mammals; Natural history; Nature; Nature study; Quadrupeds; Science, Vertebrates; Wild animals (s)

*Refer from* Animals, Useful and harmful (s); Economic zoology (s)

*Refer from* Names; Nomenclature (s); Terminology (s); Zoological nomenclature (s)

*Refer from* Natural history — U. S.; U. S. — Fauna (s); U. S. — Zoology (s)

*Refer from* Avesta; Dualism; Fire worship; Parsees; Religions

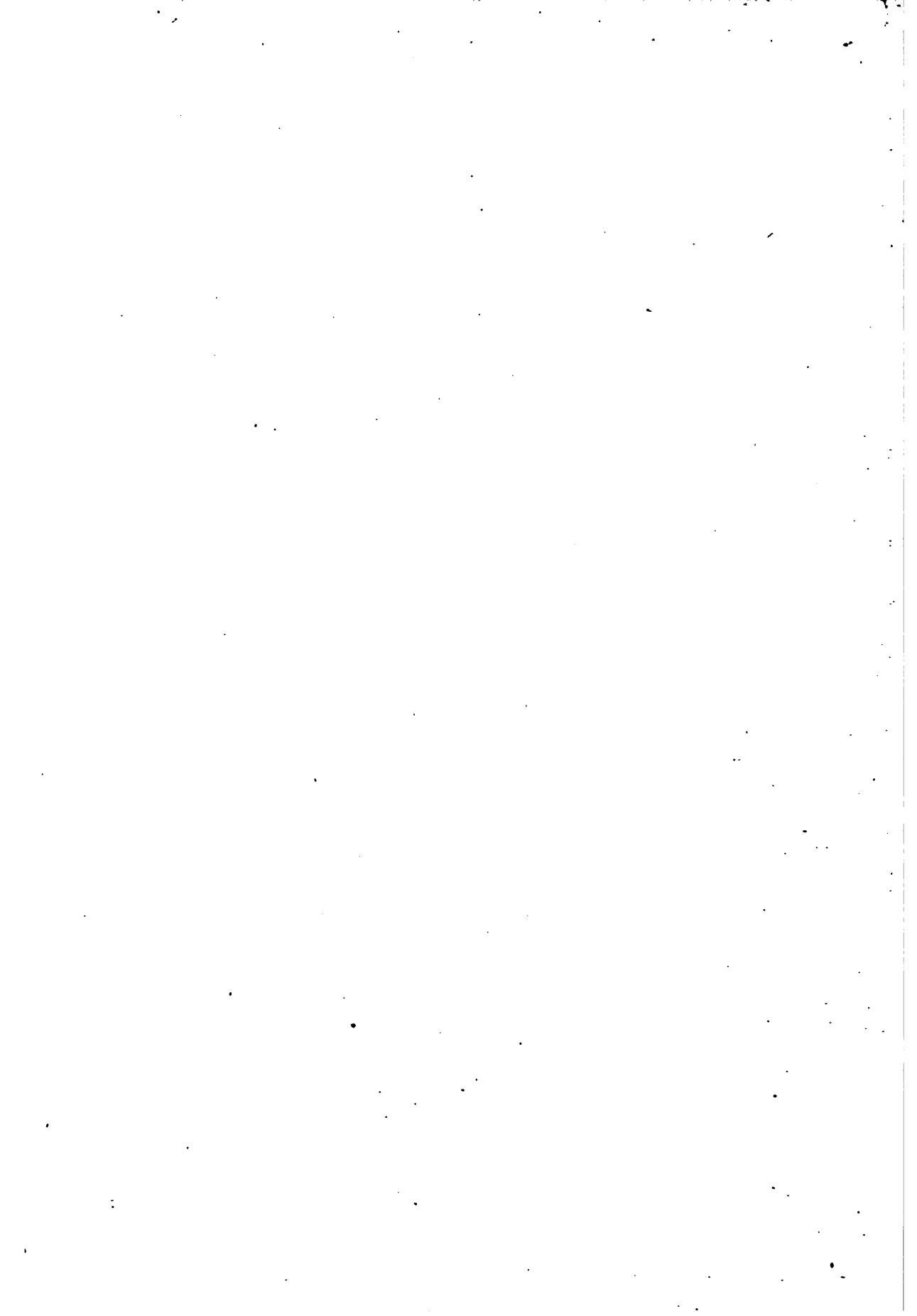












COUNTWAY LIBRARY



HC 20J6 0

1.C.46.

List of subject headings for us1911

Countway Library

ATY5781



3 2044 045 232 394

